

# HARTMAN CATTLE CO.

## 3rd ANNUAL GENETIC POWER BULL SALE

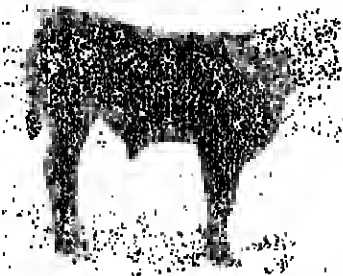
### SUNDAY APRIL 12th 2 p.m.

#### TECUMSEH, NE

**SELLING 100  
CHIANINA BULLS**

**5 Purebreds 30 Fullbloods**  
**65 Percentage Bulls 1/2 to 3/4**

1/4 Chianina — Pollad — Ha Sells



1/4 Chianina Black — Ha Sells

1/4 Chianina Black — Ha Sells

Fullblood Chianina: Ha Sells



Pinabred 1/4 Chianina — Ha Sells

### Chianina Sires:

KMS Mr. Fedello  
CHR Galvin  
Frigglo  
RKL Ebony Sundance  
Anoka Ferrero  
Ferrero  
Idalgo  
Vindicator  
Pompe  
Filp 1F  
FHC Monty 4-H  
Plus others.

Fullblood Chianina — Ha Sells



1/4 Chianina — Ha Sells



Fullblood Chianina — Ha Sells

### Chianina Sires:

KMS Mr. Fedello  
CHR Galvin  
Frigglo  
RKL Ebony Sundance  
Anoka Ferrero  
Ferrero  
Idalgo  
Vindicator  
Pompe  
Filp 1F  
FHC Monty 4-H  
Plus others.

### Genetic Power Was Responsible For Hartman's Record Club Calf Sales

Sale Averages from Tecumseh, NE  
and Gowrie, IA:

147 Steers totaled \$276,018  
Averaged \$1,877  
54 Heifers totaled \$80,776  
Averaged \$1,680  
201 head totaled \$368,794



Fullblood — Dam 1/2 sister to Extremist — Sells



Fullblood Chianina — Ha Sells

### Sale Headquarters:

Gorton's Motel, Tecumseh, NE  
Ace Motel, Tecumseh, NE  
Mustang Motel, Syracuse, NE  
(20 miles north of Tecumseh)  
Carriage House, Auburn, NE  
(20 miles east of Tecumseh)  
Paved airstrip at Tecumseh Airport  
(2 miles north of sale site)

Auctioneer:  
Stanley Stout  
813-723-3281

Dinner 11 a.m. — Sale Day — Hartman Sale Center  
You Are Cordially Invited To A  
"Fabulous International Champagne Buffet"

U.S. Prime Rib  
Australian Crab Legs  
Italian Veal  
Japanese Teriyaki

Served Bar "Loulou"  
Coffee Liqueur and Pastries for Dessert  
Champagne Throughout the Buffet  
Prepared by the "Internationally Known"  
Loulou Myres

Chef Extraordinary  
"Loulou Myres"

For Information Contact

**THE HARTMAN  
CATTLE CO.**

Phone Fred: 402-335-3674  
Rick: 402-335-3677  
Sale Day: 402-335-3675

# WESTERN LIVESTOCK JOURNAL

News • Trends • Sales • Shows • Markets

April 8, 1981

Central Edition

Vol. 80, No. 23



## Comments

A California reader, Linda Hussa, was not impressed when she watched the ABC television show "THOSE AMAZING ANIMALS," March 1, which featured "MASH" star Loretta Swit, who "exposed conditions in the nation's veal industry." "If this program is allowed to go unanswered," Linda wrote us, "it can do the cattle industry, no, all of agriculture, a great disservice."

"Enclosed is a copy of a letter which I sent to ABC and the production staff of 'THOSE AMAZING ANIMALS,' and I feel that a follow up letter from you is important. The complaint of Miss Swit was that though the conditions in the barn were above reproach, the poor baby calves are kept in crate-like stalls and never allowed to buck or play together and that they are forced to lap their milk from a pail rather than be allowed to suck their mothers, which, it was attested by a Ph.D. in animal behavior, make them a frustrated lot."

Before shoring Linda's letter with you, we would like to mention that we spent a number of years with the dairy industry on the coast. That, since 1955 some dairy herds have managed to increase their milk production by three times. That, whether raising veal calves or heifer replacements, sanitation is of utmost importance. That, a dairyman can let a calf briefly nurse its mother for the colostrum in her milk, before separating the calf for sanitary reasons.

But on with Linda's letter to ABC, because it is a dandy.

"Sirs: This letter is in regard to your expensive and bewildering production advertisement, 'Loretta Swit exposes conditions in the nation's veal industry.' Having Kathy Lee Crosby milk a cow was bad enough, but you do a disservice to your viewing audience when you allow a game-show celebrity to present a subject 'dear to her heart' such as that was. This kind of tear-eyed, voice throbbing presentation could stop the poultry industry cold turkey. I can

(Continued on page 5)

## House delays decision on food safety reforms

House Majority Whip Thomas Foley (D-Wash.), said recently that Congress probably will wait for the Reagan Administration to make its own food safety reform proposals before taking any serious action in that area, reports CNS.

Speaking to the Agriculture Editors of America, Foley said the administration is unlikely to come forward with such a proposal until it appoints an administrator to the U.S. Food and Drug Administration.

Pharmacologist Arthur Hull Hayes is considered the leading contender for that FDA post.

Foley said the need for food safety law reform has gained substantial bipartisan congressional endorsement. He called the Delaney Clause, one of the cornerstones of current U.S. Food Safety Law, "outdated." The clause requires the U.S. Government to ban from the nation's food supply any substance found to cause cancer in laboratory animals.

Foley told the group that any legislation aimed at changing current U.S. food safety laws must be carefully written and based on sound scientific data if it is to succeed. Otherwise, such legislation would receive opposition from consumer groups who might interpret the introduction of such a measure as an indication of lessening congressional support for a

(Continued on page 23)

## Brucellosis funding nears critical point

Some state brucellosis programs are threatened by a shortage of federal funds, said Paul Becton, Director of the national brucellosis eradication program of the Animal and Plant Health Inspection Service, reports CNS.

The federal brucellosis budget was \$31 million for fiscal year 1981, up from \$74 million for fiscal 1980, Becton said. However, much of the increase was absorbed by inflation and increased costs, he said, and the budget being considered for fiscal 1982 is roughly \$86 million.

The state of Missouri is an example of one state that is in short of money, said Robert Moody, veterinarian in charge for Missouri. Missouri asked for \$750,000 in federal funds for the year, but received \$650,000 when the programs funds were cut, Moody said.

The reduction of funds resulted in a plan to reduce the number of calves vaccinated at market to only those returning to farms, Moody said. However, more calves and funds have been used than was estimated last spring when Missouri told the Animal Service the amount of funds needed, he said.

"No more vaccination funds are available until the beginning of the fiscal (1982) year," Moody said. Vouchers from veterinarians showed that 190,000 calves had been vaccinated by late February, while Missouri had projected 200,000 for the entire year.

Producers wanting to vaccinate now have to pay for it privately, although

(Continued on page 5)

### The question of animal rights:

## Producers meet to discuss sensitive issue

One of the most sensitive issues affecting the livestock and poultry industries in the decade ahead is animal welfare. There is a groundswell of concern over the conditions under which animals are raised and used for food, research and pets.

Recently the American Farm Bureau Federation (AFBF) held a first of its kind meeting for the farm organization on animal welfare and humane treatment. Producers from 36 states were represented at the meeting in Chicago.

The four principal speakers included Professor John Skinner, Department of Poultry Science with responsibility for animal welfare activities, University of Wisconsin; Dennis White, director of animal protection, American Humane Assn.; Dr. Harry Museman, administrator, Animal and Plant Health Inspection Service, USDA; and Neal Black, president, Livestock Conservation Institute.

Dennis White of the Humane Assn. described the animal rights movement as divided into two groups, radical and mildly radical. "The radical animal rights activists will not tolerate any type of animal exploitation, experimentation, farming, killing or other areas where animals can benefit man."

White said that generally

## Block unveils farm bill

By MARTHA WILLIAMS

The administration officially unveiled its Farm Bill with Secretary John Block's testimony before House and Senate Agriculture Committees last week, and the proposed four-year package contained no surprises. The bill is oriented toward freer agriculture, which Block said in a speech before the American Agricultural Editor's Assn. last week "may mean added risk" (for farmers), but will also open up possibilities for higher prices.

Block thanked the congressmen for supporting the administration's bill to eliminate the mid-year

upward price adjustment for milk, which the President signed April 3, one day before the adjustment would have been automatic.

Changes in the dairy price support program are an important segment of the farm bill, and Block said there is a need for a more flexible milk price support program. The administration calls for the same structure, with the support level set between 70 to 90% of parity, adjusted as needed. "We estimate that a 75% of parity price support level would have a net cost of about \$908 million in fiscal year 1982," Block told

Congress. "While price support levels above 70% of parity may be appropriate in many years, we must have the flexibility to adjust the support level so that supply and demand are in balance," the Secretary said.

Block called for elimination of target prices for wheat, feed grains, rice and cotton, and also dropped deficiency and disaster payments, beginning with 1982 crops. "The target price program was designed to protect producers before the advent of the farmer-owned grain reserve program, and it has since lost most of its usefulness," he

(Continued on page 8)



FOLEY

Rap. Thomas S. Foley (D-Wash.), former chairman of the House Agriculture Committee and now majority whip of the House of Representatives, terms the 1981 Farm Bill "a bipartisan effort that will be free market oriented." Foley stresses that the final bill will closely reflect the administration's proposed bill because the threat of a presidential veto will deter any radical changes. (Staff photos by Martha Williams)



GARZA

E. Garza (D-Texas), new chairman of the House Agriculture Committee, says he realizes that budget cuts are necessary as part of a bipartisan effort to control inflation, but questions the equity of 16% of the cuts in agriculture areas. He also intends to take a hard look at proposed cuts in the food stamp and school lunch program, saying, "We're in bad shape if we can't feed kids a 64 cent meal."

## Industry leaders hold forum; act to improve beef program

Beef and livestock industry leaders attending the recent National Beef Forum in Kansas City, Mo. decided on two steps aimed at increasing the industry unity and effectiveness in carrying out short and long range programs to improve profitability.

The group voted to establish a steering committee which will develop a long range coordinated beef

industry program — addressing all industry problems and opportunities.

A second motion, which focused on promotion, called on all states to implement by June 1982, previously announced goals for increased funding of national programs for beef promotion, research and education.

The forum, sponsored by the National Cattlemen's

Assn. and the Beef Industry Council of the Meat Board, attracted 175 representatives of 65 cattle, beef promotion, poultry, livestock market and other organizations. Program participants, in addition to NCA and BIC spokesmen, included officials of 35 state and national organizations.

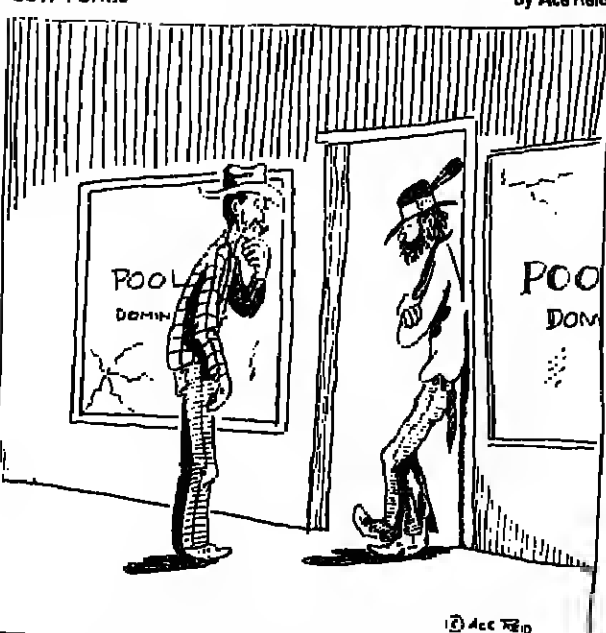
A primary purpose of the meeting was to achieve

(Continued on page 8)

NEWSPAPER (priority handling)

NEWSPAPER (priority handling)





"Shore, I'm a cowboy... saw Willie Nelson one time!"

### Western Livestock Journal

**HOME OFFICE**  
400 Livestock Exchange Bldg.  
Mailing address: P.O. Box 177  
Denver, Colo. 80219, 303/432-2800

**DICK CROW**  
Editor/Publisher  
CAROLYN J. HURST  
Managing Editor  
GLEN RICHARDSON  
Editorial Director  
PATI THORN  
Staff Editor  
LARRY MARSHALL  
Staff Editor  
ALEX MOUTROUS  
Staff Editor  
MARTHA WILLIAMS  
Women's Editor

### LIVESTOCK ADVERTISING

Don Oatis, Jerry York, Fred Green, Managers

### AREA FIELD EDITORS

JOHN COOTE, P.O. Box 1651, La Grange, Ill. 60145, 312/353-4633

DON OATIS, 3923 Five Mile Olive, Stockton, Calif. 95209, 209/951-3217

FRED GREEN, JR., 907 Mellick Tower, Fort Worth, Texas 76102, 817/356-1499, Res. 405/226-4387

RALPH HEINEMANN, 5405 Gene Sarazen Dr., Olathe, Mo., 64666, 406/656-0564

LEE PITTS, 7320 Ticonderoga N.E., Albuquerque, N.M. 87109, 505/291-1443

JAY PURCHASE, 2901 W. 2nd, North Platte, Neb. 69101, 308/332-5819

JERRY YORK, 637 Crawford Circle, Longmont, Colo. 80501, 303/779-7910

### COMMERCIAL ADVERTISING REPRESENTATIVES

DICK BANNON, Home Office, 471 Marion St., 4th Floor, Lusk, Wyo. 82016, 307/622-2600

TOM LAMPERT, Valentine, 900 Jorie Blvd., Suite 14, Office 5, Oak Brook, Ill. 60521, 312/986-8877

WILLIAM VALENTINE, Valentine, P.O. Box 343, Richmond, Mich. 48063, 616/469-4302

KENT BLACKBURN, Valentine, 1000 East 14th St., Suite 105, Burnsville, Minn. 55337, 612/432-1230

RON KUBER, 1177 W. Hedgoc, Fresno, Calif. 93728, 209/441-1201

Crow Publications, Inc.  
Dick Crow, President  
Sally Crow, Executive Vice President  
Jerry Smith, Vice President & General Manager  
Glen Richardson, Vice President & Editorial Director  
Irene Field, Executive Secretary  
Treasurer & Controller  
Bill DeKeyser, Marketing/Circulation Director  
Barbara Jewell, Circulation Manager  
Ruth Goodhue, Administrative Assistant  
Barbara Wyckoff, Classified Ad Manager  
Greg Black, Production Manager  
Scott Houtledge, Art Director

Western Livestock Journal (ISSN 0014-1801) is published weekly by Crow Publications, Inc., 471 Marion St., 4th Floor, Lusk, Wyo. 82016. Subscription rates: \$15.00 per year in advance. Single copies: 50¢. Second class postage paid at Lusk, Wyo. and at additional mailing offices. POSTMASTER: Send address changes to Western Livestock Journal, P.O. Box 177, Denver, CO 80219.

## Letters

### More Big Hole beef

I will try to give you some information about Big Hole Beef.

The Big Hole Valley has long been famous for its great wild hay and strong grass. Few of us remain who remember when the hay was used exclusively for fattening steers.

When the homesteaders (my family included) irrigated their land, the native grasses, which included wild timothy, clover, red top and a grass which we called nut grass, responded with a profuse hay crop.

Few of these early settlers had any cattle, but those who did found that the cattle got fat quickly on both the hay or grass.

A farsighted banker started financing the ranchers with money to purchase steers. This necessitated traveling up to a hundred miles to outside valleys to buy two year, three year and older steers.

It took at least three or four days to trail these cattle, as we were fifty to seventy-five miles from the railroad.

These steers were put in pens in the willows. These were their only shelter. They were fed hay in about a hundred mangers, the only supplement being salt.

They were fed twice a day and any unused hay was hauled out to the horses.

The feeding period was around 180 days with the temperature dropping sometimes to 40 degrees below. The feeding period would not last longer than April 12 the weather would become too warm to drive these fat cattle the 60 to 85 miles to the railroad.

These steers were always driven at night because it was cooler. They were only driven a few miles at a time but would still weigh 1150 lbs. to 1500 lbs.

We asked a cattle buyer what he thought of our meat. His answer was that he always kept a fat heifer from the Big Hole because you couldn't duplicate that flavor.

Hole Valley of Montana. I suggest he contact Jim Dadds, P.O. Box 6248, Modesto, Calif. 95354.

He has been buying these cattle for a number of years and is familiar with the grass there, the variety, etc.

He was manager of a meat packing plant at Butte, Mont. in 1935 and would be the best source of information.

Fulton Dadds  
Twin Falls, Idaho

## Montanans fight state cattle law

The Montana Stockgrowers Assn. (MSGA) has gone to Helena District Court its effort to reform the Dept. of Revenue's method of determining how much tax ranchers pay on cattle.

George Rath, found, MSGA president, is inequities in the current formula result in cash being assessed above a true market value and ranchers paying more than their fair share of taxes.

The lawsuit challenges the constitutionality of state administrative and appeals the Dept. of Revenue's recent denial an MSGA request that cattle be assessed on a basis of average weight. Had the rule been approved by the state it would have had the effect of reducing the tax assessment on cattle.

"We believe the Dept. of Revenue rule is unconstitutional because it permits taxes to be levied in a inequitable and discriminatory manner in excess of the actual market value," Rath said.

Rath said the Dept.'s denial assures that the county and state levels will be "handcuffed by ranchers contesting the current system."

Don't put off for tomorrow what you can do today, because if you enjoy it today, you can do it again tomorrow.

### Knife trims budget

I was disappointed and somewhat surprised that the Western Livestock Journal would use the sensational headline "Rancher's budget ax to hit rancher", for a March 16 article.

After reading the article, only the fat is "axed" or "trimmed." The Journal should know that fat cannot be trimmed with an ax—it takes a sharp knife and a skilled operator.

The lead indicates that the farmers of the country would have been better off going down the spending road of past administrations. These ranchers didn't mind!

The news media seem to be on a sensational beat. Why don't they analyze the condition of the country and give the president a chance?

A look at those who are opposing his cuts tells me that he is on the right track.

Lindsay "Red" Jewett  
Nevada City, Calif.

## Foot-and-mouth appears contained, says Ministry

The United Kingdom's Ministry of Agriculture is optimistic that efforts to contain the spread of foot-and-mouth disease from the Isle of Wight to the mainland have been successful, reports UCN.

A ministry spokesman said restrictions could soon be lifted on cattle movement in most of a 1000 square mile area covering the Isle of Wight and a large portion of the southern U.K. coast.

If all goes well, the quarantine should be lifted in less than two weeks, the spokesman said. More than a week has elapsed since the disease struck a farm on the Isle of Wight, forcing the authorities to destroy 160 infected Freisian cows.

In addition, 337 pigs were destroyed at a nearby farm as a precaution and 47 head of cattle were destroyed on a farm in the southern end of the island because a milkmaid had visited the infected farm recently.

Another 36 head were destroyed at farms on the southern coast of Britain because those farms had received 16 head of cattle from the infected area that previous week.

The foot-and-mouth outbreak was the first of its kind since 1968 and the nearest to the British mainland since the disease appeared on the Normandy Coast seven years ago.

### Coming Events

April 5, 8, 7—New Mexico Cattle Growers Assn. 67th Annual Convention, Albuquerque, N.M.

### HORSE AUCTION

April 18—Heritage Piece Spring Horse Show & Sale, Oklahoma City, Okla.

### CATTLE AUCTIONS

April 5—Bull in the West Limousin Bull Sale, Phillips, S.O.

April 6—Imig Heifers Spring Bull Sale, Theodor, Neb.

April 9—Nebraska Simmental Assn. Postfarmers Bull Sale, North Platte, Neb.

April 9—Colorado Limousin Breeders' Performance Tested Bull Sale, Le Junco, Colo.

April 7—Carlson Hereford Farms Annual Production Sale, Spiritwood, N.D.

April 7—Huckfeldt-Krebs Cattle Co. Angus Ranch Bull Sale, Garden, Neb.

April 7—Rudolph Brothers Angus Annual Production Sale, Chino, Calif.

April 8—Midland Angus Ranch, Henry, Neb.

April 8—Scheerbrook Angus Annual Performance-Tested Bull Sale, Stevensville, Mont.

April 8—von Forell Herefords Spring Bull Sale, Wheeland, Wyo.

April 10—Arizona Angus Ranch 5th Annual Production Sale, Chino, Calif.

April 10—El Paso Livestock Auction Bull and Female Sale, El Paso, Texas.

April 10—Schroeder Cattle Co. Balanced Hereford Bull Sale, Palisade, Neb.

April 11—Brand's Brangus Sale of Steers, Round Top, Texas.

April 11—Dorby Farms 2nd "Ranchers Opportunity" Cheviot Bull Sale, Huron, S.D.

April 11—Northwest Colorado Bull Test Sale, Akron, Colo.

April 11—Vermilion Ranch Annual Spring Angus Event, Billings, Mont.

April 14—Hartman Cattle Co. 3rd Annual Genette Power Cholina Bull Sale, Teasman, Neb.

April 12—Birdall-Guthrie Angus Bull Sale, Oriskany Falls, Mont.

April 13—Lamar Angus Ranch, St. Onge, S.D.

April 13—Lankou Limousin, Timberlake, S.D.

April 14—Big Red Limousin Performance Tested Bull Sale, North Platte, Neb.

April 14—Rott's Rock Angus Performance Pedigree Sale, Belgrade, Mont.

April 15—Diamond Cattle Co. Brangus Bull Sale, Tulsa, Okla.

April 18-19—Midland Bull Testing Station Bull Sale, Billings, Mont.

April 18—"Pick of the Pasture" Registered Brangus Female Sale, Tulsa, Okla.

April 18—Sutton Livestock Auction "All Breeds" Bull Sale, Boonville, N.M.

April 18—Western Cattle and Bull Test Assn. Sale, Delta, Colo.

### Still More Big Hole

With reference to your request for information for William L. Laywell of Carmichael, Calif. in regard to the cattle raised in the Big

# "BIG M SALE"

Sponsored by the Midland Empire Angus Association  
4th Annual Sale  
Thursday, April 23, 1981 • 1:00 p.m.  
Public Auction Yards • Billings, Montana  
Auctioneer: Pat Goggins  
160 Angus Bulls  
20 Two-year-old Bulls  
140 Yearling Bulls

Consignors:	
TOP HAT RANCH, David Brangor	Nascoe, Mont.
COCHANDUS RANCH, Dale Schick	Sutton, Mont.
COLE CREEK ANGUS, Glen Golden & Sons	John, Mont.
EARTHART FARMS, Larry Earhart	Payroll, Wyo.
FIFTH WHEEL ANGUS, Vern & Minnie Kerr	Boyd, Mont.
FOX TAIL ANGUS FARM, Dennis Harrison	Roberts, Mont.
HARRISON ANGUS RANCH, Doug Harrison	Boyd, Mont.
VERN KELLER	Boyd, Mont.
LEONARD ANGUS, Chas. & Bob J. Leonard	Fishall, Mont.
LEONARD ANGUS RANCH, John Leonard	Gooley, Wyo.
GOLDEN ACRES ANGUS, Alex Munn	Fontall, Mont.
CHARLIE & VIETH SCHENK	Larson, Mont.
LEO MEDICINE, JR.	Roundup, Mont.
GEORGE ADOLPH	John, Mont.
LEONARD McSWINEY	Wardens, Mont.
KEE ANGUS RANCH, Daniel C. & Mary Kee	Shpherd, Mont.
ED BILLINGSLEY	Roundup, Mont.
SEA ROCK RANCH, George Seemore	John, Mont.
KEN CARLY CATTLE CO.	Sutton, Mont.
SEAVEN SLIDE ANGUS	Payroll, Wyo.
SHOSHONE ANGUS	Roberts, Mont.
WHISPERING PINE ANGUS	Cowley, Wyo.
THE WOLD RANCH	Roberts, Mont.
THE YATES	Red Lodge, Mont.
DR. & MRS. DON VAN DER HAGEN	Red Lodge, Mont.
MORRIS & VIRGINIA JENHAWAY	Big Timber, Mont.
	Molitor, Mont.

Angus offering will be displayed April 22 at PAYS

For information and catalog contact:

**MIDLAND EMPIRE ANGUS ASSOCIATION**  
Doug Harrison  
Box 274  
Boyd, Montana 59013  
406/982-3887

**THE NEW PROGRESSIVE ASSOCIATION WITH MODERN PERFORMANCE ANGUS**

## Chairman reports cuts hurt CFTC regulatory quality

The administration-proposed cuts in the fiscal year 1982 Commodity Futures Trading Commission budget will hurt the commission's "regulatory quality," CFTC Chairman James Stone said recently, reports CNS.

In prepared testimony before the House appropriations subcommittee on agriculture, rural development and related agencies, Stone said, "The commission is not able to tell you that it can absorb the recommended cut without loss of service."

However, Stone admitted that the CFTC has not been singled out in any way, and therefore a majority of the commissioners voted to recommend to Congress the acceptance of the proposed CFTC budget.

The administration has proposed the CFTC operate on a \$19.924-million budget in fiscal 1982, permitting a staff level of 470 persons. The CFTC had requested \$21.93 million.

Stone said he did not expect the possible creation of a self-regulatory body for the futures industry by the National Futures Association to relieve the CFTC of a substantial operating burden in fiscal 1982.

EDITOR'S NOTE: Tax Corner is a column appearing the first week of each month in WLD. Authors Daniel Japha and Ernest Panasci, attorneys at law with the Denver firm of Rothgerber, Appel & Pavers, urge readers to discuss matters detailed below with their personal tax or law adviser.

have increased in value on paper. However, little or no additional liquid asset value results from this increase in the worth of farm and ranch land.

This situation demonstrates the need for sophisticated estate planning techniques which involve "freezing" the value of the real property involved in a ranch or farm operation. While there are several estate planning freeze techniques available, perhaps the most practical for a family farm agri-business is the family partnership freeze.

A family partnership freeze involves putting all of the agri-business assets into a newly formed partnership. Usually, a limited partnership is selected. In this form of operation, the owner of the family business becomes the general partner of the business. Any children who wish to carry

on the business after the father's retirement or death will become limited partners.

Initially, the head of the ranch or farm will be both a limited and general partner and he can give a portion of his limited partnership interest to each of his children. If structured properly, establishing the family limited partnership may be done without incurring income tax or gift tax on the transfer of property to the partnership and the transfer of partnership interests to the children.

While the primary objective of using a family partnership is to "freeze" the value of the assets used in the family farm or ranch, a side benefit is that income from the ranch may be allocated to the limited partners who will generally be in lower tax brackets than the head of the family agri-business. The rules for making allocations of income to limited partners are complex and beyond the scope of this article.

However, such allocations may be incorporated in a properly drafted family partnership agreement.

Once the assets have been transferred to the limited partnership, the value of these assets may be frozen at the value they carry on the day the transfer is made. This freeze of value is done by making a "special allocation" of all future appreciation in the value of the partnership's assets to the limited partners. The result of this special allocation will be that on the death of the head of the family agri-business, the value of the general partnership interest will be the value allocated to the general partnership interest when the partnership is formed. This amount may be substantially lower than the value of the assets used in the agri-business as of the date on which the head of the family dies.

The family partnership freeze is not free from its disadvantages. The principle disadvantage is that in

the event the head of the family business decides to sell the ranch or farm, he will only receive the value at which his partnership interest is frozen on the date the partnership is formed. This may be substantially lower than the true value of his interest in the ranch or farm when he may want to sell the property. The difference between the general partner's frozen value and the increased value on the date of such a sale will be allocated to the limited partners.

The use of a family partnership may be a valuable

estate planning tool for farmers and ranchers. However, there are no specific provisions of the Internal Revenue Code which sanction this tax-saving vehicle. Because of the complexities involved in setting up a family partnership, the use of this estate tax saving vehicle should be discussed with your tax planner in great detail. However, the advantages to be gained from the use of a family partnership make it well worth investigating as a method of financial planning for the farmer or rancher.

Do you have to feed your cattle too long, and put on too much waste fat, to get them to grade USDA Choice?

Many feeders do, and because of this they want the USDA grading standards lowered to allow cattle with less marbling into the Choice grade. That's one solution to the problem.

Your best solution though is to switch to Angus steers. Properly fed Angus and Angus crossbreeds easily reach the present USDA Choice grade with three-tenths to four-tenths of an inch of fat cover, and with the quality that packers prefer and pay more for.

Tests at the University of Wisconsin showed that Angus grade Choice from 15 to 65 days sooner than other breeds—consuming less grain and saving you feeding time, labor, and interest costs.

Kansas State University proved that Angus have a genetic advantage for marbling without put-



# ANGUS

American Angus Association  
3201 Frederick Boulevard, St. Joseph, MO 64501



## Ag committee members call for old guarantees

Four Democratic members of the House Agriculture Committee have called for a restoration of the \$855 million in fuel alcohol loan guarantees that the Reagan Administration wants eliminated from the fiscal year

1981 federal budget. The congressman said at a hearing of the House appropriations subcommittee on agriculture, rural development and related agencies that the guarantees were needed to get the

fledgling gasohol industry off the ground. The administration has said that tax advantages are enough federal help to support gasohol plant construction.

Representative Bill Alexander (D-Ark.), a subcommittee member, said he will propose an amendment to restore the \$605 million in USDA guarantees and \$350 million in Department of Energy guarantees that the administration wants cut.

Appropriations Subcommittee Chairman Jimmie Whitten (D-Miss.), said he would try to "salvage what we can" from the administration's proposed USDA budget cuts, but he cautioned that the advocates of restored gasohol guarantees of the "new reality" of fiscal austerity in Congress.

The agriculture committee members win support for restored gasohol guarantees were Hordley Hildell (D-Iowa), Floyd Fithian (D-Ind.), Tim Dorschner (D-S.D.), and Dan Clackson (D-Kan.). They claimed a strong gasohol industry was needed to make the U.S. less dependent on foreign oil and said since the bulk of the program offered guarantees, it did not represent a drain on the federal budget.

## Index of Prices drops 1.9% in latest month

The Index of Prices received by farmers declined 1.9% from mid-February to mid-March, USDA said in a recent agricultural price report.

The main reason for the decrease was lower prices for hogs, cattle, soybeans, wheat, cotton and corn. Higher prices for oranges, onions, potatoes and several vegetables partially offset the decline.

While prices received by farmers declined, prices paid by farmers increased 0.7% from the previous month. Fuels, fertilizer and agricultural chemical prices increased in the latest month, while feed and feeder livestock prices dropped.

The March Index of Prices received for meat animals was down 3.2% from a month earlier. Mid-March hog prices averaged \$38.10 per cwt. down \$3.20 from February. Beef cattle prices were down \$1.30 at \$57.40 per

cwt. The Index of Prices for oil-bearing crops declined 4.4% from the previous month, as soybeans, priced at \$7.10 per bushel, were down 40 cents from the previous month.

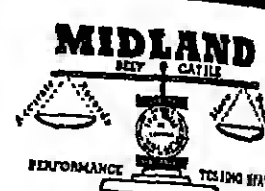
Feed grain prices declined five percent from February, with wheat down 24 cents per bushel at \$3.93 per bushel.

Feed grain and hay prices declined 2.5% in March. Corn dropped six cents to \$3.16 per bushel, and sorghum was down 19 cents at \$5.14 per cwt.

## Fiscal '83 budget reviews to begin

Additional cuts in the USDA will be made in the fiscal year 1983 budget, which will come under review starting in several weeks, USDA Deputy Agriculture Secretary Richard Lyng said recently, according to CNS.

## Hay's Herefords 10 Bulls at Billings



The average ADG for our 10 bulls is 3.04... here are three of our tops

Tag	112 day wt.	ADG	WDA
490	1057	3.39	3.07
493	992	3.30	3.01
496	992	3.33	3.08

5 sons and 4 daughters of Billingsher Beaufort, a 2500 lb. herd sire at 6 years old. Strong good ability and maternal grace through his daughters. 2 are sired by 11K a Triple P bull and a son of Billingsher Beaufort and 2 are sons of Red out of daughters of 90.

We have 25 two-year-old bulls, same breeding, for sale on the farm and 7 bulls, same breeding, at the Douglas Test Station in Montana—available May 2nd.

We feel these bulls have a great potential for outcrossing to American lines now being used. See Everyone in Billings!

Call for information:  
**Hay's Herefords**  
Frank Hay 204/854-2226  
Pipstone, Montana

You're in good company when you advertise in Western Livestock Journal

## Comments

(Continued from page 1) just imagine a national movement to "Save The Yolk!" Think of all those golden eggs shut up inside ivory shells, never to give wing to freedom. It must be lonely in there.

"We could drive the Russians out of business with a 'Clomp Down on Caviar' campaign. Think of those poor little fishies who will never swim over the dome. She should turn her attention to those the slightly frogs driven off their lily pads by men in search of legs. 'Goli the Goli Goli' will be the cry. And lobster lure-cra, crab catchers and turtle trappers with their pots of boiling broth. There must be a cause in there someplace.

## Brucellosis funds near critical point

(Continued from page 1) some calves may be vaccinated in October when new funds are allotted, Moody said.

Also, the Missouri blood testing program is running a deficit, although enough funds are available from other sources to maintain the tests, Moody said. Missouri may be able to get some money from other states that have not used all of their funds or the farmers may have to pay a portion of the fees for testing, he said.

"The only hope is supplemental appropriations," said A.B. Robb, a veterinarian for the Animal Service. With the present budget-cutting mood of Congress, additional funds are not likely, he said.

The Animal Service has explored the amount of funds needed and how they would be used and has informed the administration of these needs, Becton said. In addition, the National Cattleman's Assn. is supporting additional funds for the brucellosis program, Becton said.

To maintain the present program, four to five million dollars are needed, said Jack Dahl, chairman of the Cattleman's Assn.'s Animal Health, Disease and Identification Committee. At the same time, the association supports a balanced budget and priorities need to be set, Dahl said.

"The funds are adequate to maintain a strong program, especially surveillance of the service herds," Becton said. But the extra things that will reduce the national brucellosis problem will be without additional funds, he said.

Two choices remain if funds run out, Becton said. The Animal Service can either reduce the rate being paid, or, effective on a certain date, not pay any more money to anyone in any states, he said.

## Correction:

Marle Ellis was not a judge at the recent Cow-Belle sponsored Beef Cook-off in Idaho as was stated in a March 16 WLJ article. He was there in connection with CowBelle and the Idaho Beef Board beef promotion. Ellis is a judge at the national Beef Cook-off.

"And don't overlook the vegetarians. Those folks should be strung up on a hempole by the 'Right to Roast' campaign. Have you ever heard a carrot scream when it's pulled from the earth? It's enough to make you want to picket Burpee's. Defenseless vegetables forced to grow in rows. No individuality, no interaction, no romance.

"If Loretta consumes more than water and chemically produced vitamins, then she has altered the rights of something. Things must be kept in proper perspective. The key to life is survival, and survival requires marsh-

ment, that is, fact. Human values of sorrow, loneliness, or happiness are not those of the calf. The calf wants food and water. More than that is imagined. The calf calves linked to be well cared for, they were not interested in fattened, and that the former spoke kindly to them and patted them matters not when the meat is placed on the table. They are raised for food production and when at the end of 100 or 120 days they are taken to a slaughter plant, what possible importance could there have been in the fact

that they could map and play with a pal?

"Shame on the doctor for lending his extensive education to this project. Shame on you for giving time and space to such drivel. Animals are a glory. There is

much to be learned about them and thereby about ourselves but you have a responsibility to educate by presenting a clear and accurate point of view based upon fact. Emotional nonsense presented by a 'star' and a doctor versus the

greedy former profits that aim.

"I would appreciate a reply." Sincerely, Linda House, Box C, Cedarville, Calif. 95014

## CARPENTER-WILLIAMS HEREFORDS AT MIDLAND Thursday, April 16 • Billings, Montana

MIDLAND TEST CENTER									
Tag	Birth Date	Sire	NR	112-Day Wt.	ADG	WDA			
330	2-8-80	CL1 Domino 782	101.3	1037	2.37	2.72			
331	2-7-80	FRC Yampa King 8	108.7	1143	2.88	3.11			
332	2-10-80	SH Advancar 521	108.3	1089	2.59	2.82			
333	2-10-80	FRC Yampa Lad 33	106.3	1044	2.05	2.75			
334	2-13-80	FRC Yampa King 8	102	1070	2.33	2.94			
335	2-14-80	FRC Count 4	100.6	1168	3.52	3.08			
336	2-16-80	FRC Yampa King 11	108.7	1155	2.99	3.18			
337	2-27-80	FRC Yampa Lad 33	104.9	1146	3.24	3.10			

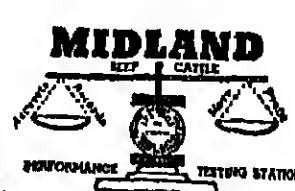
\*Not selling  
Ferry Carpenter spent over 70 years building this herd and his presence and guidance will be missed. We believe the cow herd should continue and so it shall under the ownership of family members Ed Carpenter, Willis Carpenter and Rosamond Garcia as well as Mel Williams who will continue to manage the day-to-day operations. Look for our Midland bulls as they are some of our best ever and don't forget our Calf Sale at the ranch on October 3.

**CARPENTER-WILLIAMS HEREFORDS**  
Hayden, Colorado 81639  
M.D. Williams • 303/276-3415

## Roberts Red Angus We Have—

## 5 Bulls

selling at the Midland Test in Billings, Montana. April 18



Among them tag #656, a March 12 son of Red Baron of Juenede 653 is the highest gaining Red Angus Bull on test at the 112 day period. He is also the 2nd highest gaining bull of all breeds on test (600 head).

His record so far:  
205 Adj. Wt. 759 lbs., Ratio 128; 112 day wt. 1171 lbs.; ADG 3.81; WDA 3.48; GN Ratio 126.

Selling full possession... we will retain an interest.

At the Treasure State Test Sale  
Great Falls  
April 20



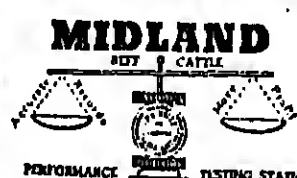
We are selling  
**15 top commercial bulls**

They are all 1/2 and 3/4 brothers to the top gaining registered Red Angus Bull at Midland. At the 112 day wt. we have 2 bulls on top of the Red Angus, gaining 4.04 and 4.02 lbs. per day. These are the best set of bulls we've ever sold.

For any information or weight sheets on these bulls please feel free to write or call:

**ROBERTS Red Angus**

Woody Roberts • 406/462-5616  
Hilger, Montana 59501



## MIDLAND TEST SALE ANGUS—April 17, Billings, Mt.

### 112-Day Angus Bull Progress Report

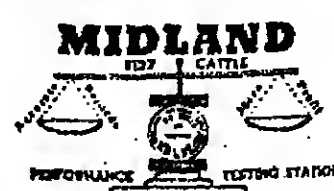
Tag No.	Birth Date	Sire	205 Day Adj. Wt.	112 Day Wt.	Avg. Daily Gain	Adj. WDA
63	2/9/80	Ken Caryl Mr. Angus	680	1130	3.14	3.17
64	2/28/80	Ken Caryl Mr. Angus	707	1098	3.41	3.23
65	2/13/80	Eileenmere Masterpiece	688	1109	3.14	3.07
66	4/10/80	Eileenmere Masterpiece	739	1044	3.32	3.33

## AUCH ANGUS

Ed Auch • 406/961-3263 • Corvallis, Montana 59828



## One of our Bulls to MIDLAND TEST CENTER



His sire, Ore Mark Donald N124, was sale top at the 1979 Oregon Hereford Ranch sale. "031" is from his first calf crop and out of a two-year-old SR Big Arthur K101 daughter, Charly 887. She had a yearling ratio of 112.8, a MBV of 105.8 and a MPPA 106.5. With such a background of solid performance on both sides of his pedigree GVR Mark Donald 031 shows promise for a bright future.

GVR Mark Donald 031  
WR 116.1 MBV 105.8  
On Mark Donald N124  
1747250  
Charly 887  
1743983  
SR L1 Command K336  
1034384  
SR Mito Donald H404  
1516528  
SR Mito Arthur K101  
1639949  
Mito  
1877770  
CI Domino 8015  
TT Mito Command 714  
Donald Salford H18  
SR Mito Roy Lito 925  
SR Mito Arthur K101  
DW Salford Mark 702  
SR Mark Don 702  
Patie

## grass valley ranch

AUSTIN, NEVADA 89310

Molly & Bill Knudsen 702/854-2568 • Grass Valley Ranch 702/854-2589

## Proven Inheritable Performance MIDLAND BULL TEST

**If you're in the livestock business — you can't afford to ignore the genetic potential at MIDLAND**

Whether you're a commercial man or seedstock producer, consider the opportunity to accelerate your herd's genetics.

- ✓ Select from yearling bulls — the freshest newsmen, most highly selected genetics available.
- ✓ Yearlings selected as the tops at weaning, from over 200 herds across America and Canada.
- ✓ Make selections based on comparisons to many bulls, other bloodlines, performance, body type and frame.
- ✓ No where else offers you this much opportunity to select from so much genetics — so much data.
- ✓ Tested at a moderate rate of gain measured for fertility and soundness and at a reasonable price.

**1981 Annual Sale Dates**

April 16—11:00 a.m.—220 Horned Herefords on test  
April 17—9:30 a.m.—50 Polled Herefords on test  
11:30 a.m.—208 Angus on test  
April 18—11:00 a.m.—80 Red Angus on test  
25 Shorthorns on test  
8 Chianinas on test

**SALE HEADQUARTERS:**  
Holiday Inn West  
140 and Mulberry Lane West  
Billings, Montana 59102  
Phone: (406) 246-7701

**SALE LOCATION:**  
Public Auction Yards  
Billings, Montana 59101  
Phone: (406) 246-6447

**DELIVERY OF CATTLE:**  
We will assist in the delivery arrangements in the U.S. and Canada. We have truck and horse neck trailers available and will pool deliveries to give you good service at the least possible cost.

**INSPECTION OF CATTLE:**  
Bulls will be available for your inspection at the Public Auction Yards from April 14th on.

**At The Test:**  
Leo McDowell, Jr.  
Park City, Montana  
(406) 833-2071

**For Catalogs, Reports or Info:**  
Leo McDowell  
2310 Cotton Blvd.  
Billings, Montana 59102  
(406) 656-9638

**There's no sale in America where you can buy more performance and quality at a more reasonable price than at MIDLAND!**





**HAPPY BIRTHDAY**—Mrs. Kathy Briggs of Midland, S.D. wished Eclair "many happy returns" at his recent birthday party.

## Eclair don't spoil with age: Birthday boy isn't exactly a cream puff, says CSU

An oclair is a light French poetry, right?  
Wrong. Eclair is a 2,000 pound Limousin bull. French, yes. Light, no.

Recently Eclair was honored with a party to celebrate his 12th birthday. Several people were on hand: his owners, the Kirby Briggs family of Midland, S.D.; his managers from Treils End, Inc., Mead, Colo.; and several staff members from the Colorado State University Animal Reproduction Laboratory (ARL).

His offspring were not there to celebrate. And luckily so, because there are more than 60,000 of them. Eclair is one of the foundation sires of the Limousin breed, explained Dr. Bill Pickett, ARL director. Currently, Eclair is producing an average of 400 doses of semen per week.

But that hasn't always been the case. Eclair was imported from France as a yearling and within two years was a top-rated sire. But he broke his leg and his semen production was halted. It was feared he would not be productive

again. Many times, after a bull breaks a leg, arthritis sets in and hampers his ability to mount and be collected.

That was the case with Eclair, at least until the ARL physiologists were called in to help. Since his recovery, Eclair has regained his high ratings, partially due to a special procedure that helps to support him during collection.

### MONROE BROS. HEREFORDS AT MIDLAND

Tag	Sire	ADG	WDA
376	Antonian L1 301 H	3.24	2.72
377	Antonian L1 301 H	3.35	2.60
378	Antonian L1 301 H	2.81	2.41

Tags 377 and 378 are both DOUBLE BRED CH DOMINO 053. Don't miss this powerfully bred consignment.

Also selling at the UBA Bull Test Sale, Centerfield, Utah, April 13—Tag 154, a son of UA Advancer 7006 that is leading the Herefords on test with a GR of 122 and an ADG of 3.26.

### MONROE BROS.

Scipio, Utah 84658  
Jack 801/758-2471  
Nell 801/758-2472  
Dix 801/758-2661

### MJB HEREFORD BULLS

at  
MIDLAND TEST SALE  
Thursday, April 16  
Billings, Montana

### 8 Bulls Sell

Including  
Big Joe Domino 820 • CH Domino 652  
Antonian L1 278H • BB Mark Domino 714 • Advantage  
They entered the test at well over 700 lbs. each, they will all finish the test, and they will be the big, long bodied, correct kind that have eye appeal. Come to our pens. We think that we can show you one that you will like in Billings in 1981.



#400—this big son of Big Joe Domino has led the group most of the way, however, there are other top prospects in our 1981 group. Come, look them over. We will be glad to have you.

Also Selling 2 Bulls at  
Treasure Test Center Sale, April 20  
Great Falls, Montana  
PRC Yampa Lad 24 & Antonian L1 278 H  
**Murry J. Brown & Son**  
406/639-2569  
Lodge Grass, Montana 59050  
We are 1 mile south, then follow the signs 12 miles west.

## USDA says be aware of grass tetany danger

Wheatgrasses and small grains have the greatest potential for causing grass tetany in livestock, reports USDA.

Tetany frequently occurs in the spring or early summer during periods of extended cool temperatures or when cool, moist weather is followed by four or five days of warm weather. Older, lactating cows seem to be the most susceptible.

Magnesium supplements in the diet can greatly reduce risk of livestock loss. However, this may be difficult for many ranch operators.

Grass tetany often is a fatal disease caused when an animal's blood accumulates too much of one key mineral in relation to too little of another. This is a result of forage mineral composition. Tetany usually occurs in the spring, and often strikes in areas that previously have never experienced losses.

According to data collected by USDA soil scientist Merle Fairbourn, the safest forages are generally alfalfa, alsike clover, Latin orchardgrass, Fawn tail fescue, Regar bromegrass, Garrison creeping foxtail, and lilac grama.

All winter pastures and forage harvested as hay are safe.

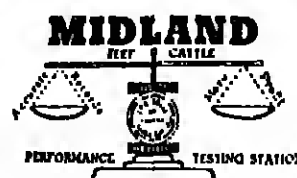
"If possible, avoid grazing a single forage species.

Grazing a legume-grass mixture greatly reduces danger of livestock loss," says Fairbourn.

According to Dr. Verle R. Bulman, professor of animal science at the University of Nevada, tetany can be

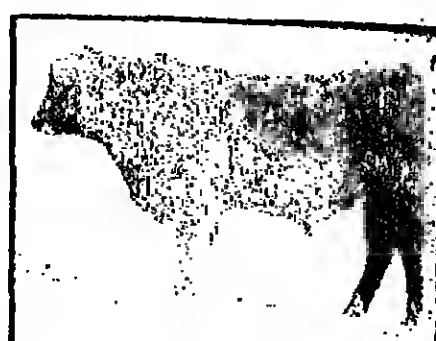
treated by injecting the affected animal with calcium and magnesium gluconate. Bulman recommends, however, that ranchers practice preventive management and utilize feed supplements. It is suggested that the intake of dietary

magnesium and calcium achieved by supplementing pasture fertilization or application. Cattle which contract disease usually show low levels of plasma magnesium, or a magnesium deficiency.



### Selling These Outstanding Midland Bulls Friday, April 17

Tag 37 • 212/480  
WW 680. 205 day wt 595. NR (0) AYW 122 117  
day wt 1131. ADG 3.68. Adj WDA 4.09 Tag 37  
has style and frame to exceed all of the great  
Midland Test Performers in his pedigree. Look for  
him! His dam is of intense Inanada Lad breeding  
and represents a long line of Midland test per-  
formers. Her AHR is 104. He is by Shoshone  
247 P.M. a Schearbrook Shoshone son that came  
off the 1978 Midland test with NR 126. WR 109  
IPR 109.



Tag 38 • 218/480  
WW 700. 205 day wt 587. NR 106 AYW 768 112  
day wt 1120. ADG 3.17. Adj WDA 2.97 Tag 38  
—Look for him! His dam also is Inanada Lad  
bred with AHR records of 109 NR and 106 IPR.  
He is by Shoshone 247 P.M. a Schearbrook  
Shoshone son that came to the Midland test with  
NR 126. WR 109 and IPR 109.



### Harrison Angus Ranch

Doug & Gladys • 406/962-3867  
Box 274, Boyd, Montana 59013

### BOOT JACK RED ANGUS

"Performance has always been  
our most important input."

- ★ Performance Testing since 1956
- ★ Top-Gaining... Top IPR Bull Midland Test 1980.
- ★ 4 Strong bulls sell, Midland Test April 18, Billings, Montana



### 3rd Annual Boot Jack Red Angus Sale April 22, 1981

65 Registered Red Angus Bulls  
25 Red Angus Females.  
Heifers and Cows

Free Delivery

For your detail and information:

### BOOT JACK RED ANGUS

Cliff & Audrey Haugen & Son  
406/423-5592  
Moccasin, Montana 59462  
7 miles northeast.

## Evaluating land by use can mean tax savings

Taxing farms and ranches according to their agricultural use rather than their fair market value can mean substantial savings to farm families on the death of the landowner.

Savings in estate taxes can be as much as 50% for those that qualify, said Dr. Lawrence L. Bravenec at an estate planning seminar held recently at Texas A&M University. The seminar was sponsored by the Texas Agricultural Extension Service of the Texas A&M University System.

The opportunity for farm and ranch families to reduce their estate taxes came about with Internal Revenue Code Section 2032. A enacted in 1976. The law set forth provisions for special use valuation for farms and ranches. Purpose of the provision was to help family farms survive financially and not be taxed out of existence, noted Bravenec, a Texas A&M professor of

accounting. For an estate to qualify, numerous requirements must be met:

- The property must be used actively for farming or ranching.
- The owner or a close relative must be actively involved in working the property.
- The owner must have some "risk" involved or have an "economic interest" in the operation.
- The property must pass from the decedent to a close relative.
- It must be owned and used for agricultural purposes at least five years before the decedent's death.
- The owner or a close relative must be paying self-employment tax and must work the land full-time or do all the necessary work if less than full-time.

In addition to these requirements, there are numerous other factors involved in establishing a

farm or ranch estate for special use valuation, noted Bravenec. A landowner that is interested in this special

IRS treatment of agricultural land should contact his tax lawyer or accountant for further details.



Shorthorn Bulls  
for the Midland Test Sale  
Saturday, April 18

### Selling 2 Strong Entries

Lot 811—a consistently high gaining son of Weston Red Rock.  
Lot 812—a top son of Weston Indian Head Cap'n. He is a full brother to the 2nd high gain in the 1980 test.  
At the ranch—one of the best-ever groups of young bulls to pick from!

Visit With Us at Midland!  
**Green Valley Ranch**  
Don Hoyt • 307/762-3394  
Basin, Wyoming 82410

### Benson Angus Farms

One of the top group  
of bulls at Midland

Tag	Sire	205-day wt.	ADG	WDA
148	Happyvale Blackcap G72E	691	3.40	3.08
149	Thomas Chaps	696	3.48	3.20
150	Shoshone Viking GD60	649	3.17	3.07

Benson Bulls have been the top  
sire group at the IBIA Test Station  
for the past three years.



for information call:  
Benson Angus  
Erwin Benson: 712/782-3110  
Irwin, Iowa 51448

### MANTUA FARMS SHORTHORNS

They are winning again in 1981

5 Red Polled Shorthorn Bulls Sell  
Saturday, April 18



Midland Beal Performance  
Test Sale—Billings, Montana

They are bred by:  
Weston Scorpio • Weston Sensation

### 35 BULLS FOR SALE AT HOME

Contact:

### MANTUA FARMS

The Scotia  
Melvin 307/754-3011  
Kath 307/754-2155  
Steve 307/754-4488  
Powell, Wyoming 82435

## Andrews Herefords

For Sale  
Billings, Montana  
April 16, 1981

001's sire,  
MJB Advance 720, led at Midland and bought by Redd Ranches, Pecos, Colorado.  
MJB Advance 720, sire of high-gaining pen 3.84 ADG with pen test conversion of 7.65 lb. of feed per lb. of gain (compared to 8.84 lb. for highest rate of test).  
MJB Advance 720, highest gaining son had thinnest fat cover of all Hereford bulls sold with 022 per 100 wt.  
MJB Advance 720, highest gaining son gained 697 lb. in 140 days for 4.26 ADG (Avg. daily gain 3.80 of all Senior Herefords on test).  
MJB Advance 720, highest selling Hereford—Ponderosa State University, Goodwell, Oklahoma 73830.  
MJB Advance 720, bred to a daughter of HH Advance C316 from the highest gain producing cows since 1958—A 318 Tozoh 250.  
Pen 22 Tatoo 328 MJB Advance 720  
Pen 22 Tatoo 328 AC 5008 Advance 762

**ANDREWS HEREFORDS**  
Robert Andrews • 817/564-2083  
Box 726 • Olney, Texas 76374

## THIESSEN Angus Ranch ANNUAL

### Production Sale Tues., April 21

1 p.m. at the ranch

### Lambert, Montana

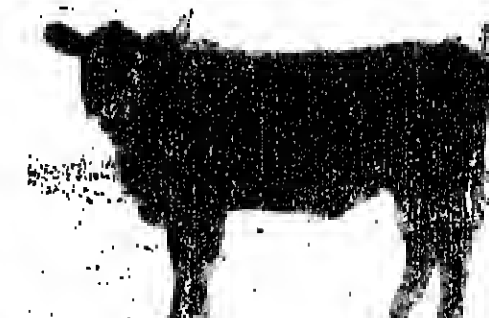


Lot 2—This Feb. 12, 1980 son of Leachman Dominator 8654 is long, tall and correct.

NOTE: Also look for our consignment of Thomas Chaps sons at Midland Test Station—Lots 122 and 123.



Lot 36—This March 20, 1980 calf combines the best of Thomas Chaps and Schearbrook Shoshone 0265.



Lot 79—March 11, 1980, this outstanding daughter of Thomas Chaps sells with A.I. breeding privilege to our exciting new herd sire, Beau Brummell.

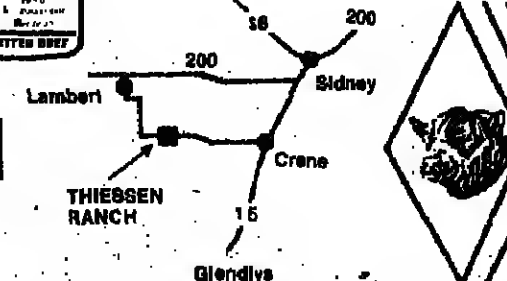
Sires Represented:  
Mon Repos King 2589  
Thomas Chaps  
Leachman Dominator 8654  
Form Boy T 6086  
Schearbrook Commander  
Candler Linebacker 8654  
Shadehill Dakota Easton 89



Lot 25—Born March 11, 1980, a very clean, long, tall herd sire prospect by Thomas Chaps out of a Forever 1100 GDAR bred cow.

Free Beef Lunch at Noon

Ranch located: 6 miles south, 2 1/2 miles east of Lambert, or turn west at Gravel Pit south of Crene and come 16 miles.



### THIESSEN ANGUS RANCH

Jim and Judy Thiessen  
Lambert, Montana 59243  
406/774-3426  
or  
Gordon Luft, Foreman  
406/774-3491



# Leaders seek beef program improvements

(Continued from page 1)  
greater unity and funding for beef market development programs, but other important industry problems also were considered.

There was discussion of special promotions being conducted to help in the current financial squeeze; but most forum attention went, as planned, to longer range programs aimed at improving profit opportunities.

The steering committee, to be named soon by NCA President J.W. Swan and BIC Chairman James Mullins, will have about 25 members. It will include representatives of state cattle associations and state beef councils, selected on a regional basis. It also will have a representative of each of the CowBelles, Meat Exporter Federation, purchased industry, livestock marketers, firm groups, meat packers, meat processors and food distributors.

Swan said the committee will look at the total beef business, set program priorities based on needs, and recommend ways in which funds provided by cattlemen and others—through dues as well as state check-offs—can be used most effectively. The group will recommend a unified total program, with responsibilities assigned to those organizations with the best expertise to perform certain functions in the most

cost-effective way. The committee's proposals for the action programs and funding will be presented to cattlemen and allied industries for their approval and support.

The steering committee will function as long as it is needed, Swan said, but it is not considered permanent. "We are not creating a new organization," he said. "We are just uniting what we already have."

"If beef promotion were the only problem facing the industry, an over-all steering committee would not be needed. We already have the BIC. But industry problems are much broader, and we must look at all aspects of the beef business and organizational performance. Cattlemen and others who are asked to fund all these efforts deserve more effective and more efficient use of their dollars."

Examples of issues, in addition to promotion and public relations, brought out by forum speakers included diet-health, grading, meat processing technology, and production and distribution efficiency.

Areas which the steering committee will look at are expected to include: (1) industry structure and competitive position; (2) product promotion, advertising and education; (3) industry public relations—including counter-acting anti-beef propaganda, influencing the

"influencers" and working with food editors and others in the media; (4) new beef processing and packaging technology; (5) government affairs and reduction of regulatory burdens; (6) consumer, nutrition and product research; (7) production, processing, economic and other efficiency-improving research; (8) other existing or new services.

The forum discussions reflected, more than ever before, a determination to increase funding for national as well as state beef promotion programs. The approved BIC goals for state check-off programs, endorsed at the forum, include:

- All states should move immediately to a minimum check-off of 25 cents per head each time cattle or calves are sold, and work toward a goal of \$1 per head or more.

- Each state should invest at least 40% of its collections in national programs coordinated by the BIC. Beef surplus states are encouraged to invest 60% in national programs.

- States are encouraged to coordinate all promotion programs through the BIC, in order to eliminate duplication and assure maximum effectiveness.

"There was unanimous agreement at the forum that the industry should increase its support of national market development programs," Mullins said.

"To help the state councils and the BIC plan a long-range marketing strategy for beef, we have hired a marketing consulting firm to help identify consumer needs, guide development of products meeting those needs and then communicate the fact that we have desirable, valuable products," he added.

"Our marketing objectives must be precise," he said.

REGISTERED BREEDER  
**DEVON**  
ACRES  
Bred Stock Available At All Times  
503/826-3109 • 11840 Hwy. 101  
EAGLE POINT, OREGON 97524

**Kershaw & Sons**  
Commercial Cattle Feeders  
Charles Kershaw • Dick Kershaw  
P.O. Box 75 • 714/344-1740  
**BRAWLEY, CALIF. 92227**

**DRINKING TANK PROBLEMS SOLVED**  
As well as all reservoir and storage tanks, drinking tank coatings for steel plate tanks, corrugated metal tanks, tank linings, and concrete tanks. Thousands of these tanks of all sizes have been installed and better than a new tank and cost less. All million gallons of water in use in 1980. Stop all leaks, any size tank. Check. Prevent and correct. That's what we do. The only national company that provides nationwide service with two years of business of concrete. Write or call for our catalog. All orders shipped same day they are received. This is our first year.  
**VIREN PERMA-BILT**  
2821 Mays Ave. Box 7160 W.L.  
Amarillo, Texas 79109  
806/352-2761

attainable and measurable," said Mullens. "Our ultimate goal, of course, is greater profit opportunities for all segments of the beef industry."

\*\*\*  
The man who has begun to live more seriously within begins to live more simply without. Ernest Hemingway

## "COM-TRAN PRESENTS AN IN-DEPTH STUDY OF THE TECHNICAL SYSTEMS, WITH AN ALL-PRO COMMODITY LINEUP"

Workshop Leaders:  
Dr. Stanley W. Anger, Professor, University of Missouri, Columbia, Missouri, "Commodity Systems in the Beef Industry";  
Bill Lutz, President and Publisher, "Commodities Information Service," 611 E. 1st Avenue, Little Rock, Arkansas;  
David H. Baker, President and Publisher, "Cattle Commodity," 1000 N. Main Street, Little Rock, Arkansas;  
Charles L. Lindsay, President of United Systems Publications, 1000 N. Main Street, Little Rock, Arkansas; who will discuss his company's "Cattle Commodity";  
Richard G. Gammone, President of Gammone, Inc., Trading and Speculating in the implementation of Speed-Line Trading and Special Futures through the use of Speed-Line Trading; with special agent, Richard G. Gammone, Inc., 1000 N. Main Street, Little Rock, Arkansas;  
Registration is limited to those who attend may participate in all workshops.  
Your admission expenses are the dealer fee.  
Saturday and Sunday, May 16 & 17 at the world-famous "Beverly Hills Hotel" in Beverly Hills, California. Fees—\$895 which includes Friday night, May 15, cocktail party, all workshops, all meals, beverages, Saturday and Sunday, gourmet luncheons, Donkey registration is limited.

For more information, or to send coupon, write:  
**COM-TRAN, Director**  
P.O. Box 2088  
Colorado Springs, Colorado 80901  
or phone 303/578-5271  
Master Charge or Visa credit cards are accepted.

Master Charge	Visa	Check	Money Order
Authorizing Signature	Expiration Date		
Name			
Address			
City	State	Zip	
Phone			

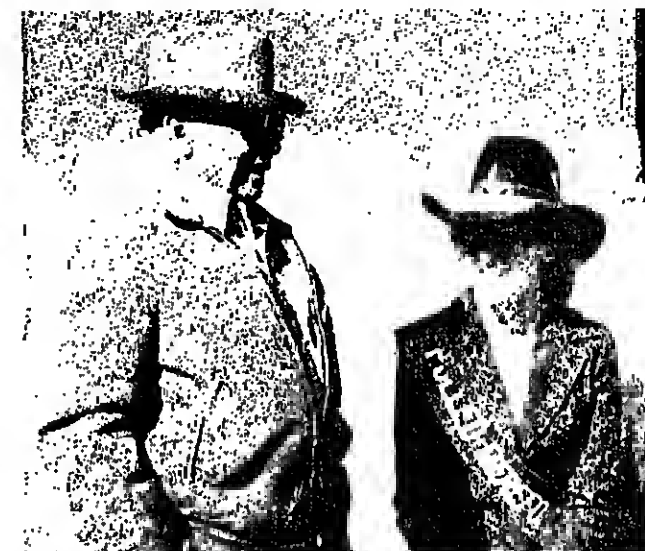
**JWR**  
FULLBLOOD  
BEEFALO  
Bred Stock, Large  
Selection, Semen  
P.O. Box 7769  
Stockton, Calif. 95207  
Phone 209/466-8021

## Pfizer Research Conference

Three well-known university research scientists and a practicing veterinarian will be featured speakers at the 29th Annual Pfizer Research Conference on Tuesday, May 19, in St. Louis, Mo. The conference is the opening event of this year's American Feed Manufacturer's Assn. convention.

The conference, scheduled for 1 p.m. at the Sheraton St. Louis Hotel, will feature a review of the past year's worldwide developments in aspects of animal nutrition and disease research.

The following speakers and their topics have been announced by Dr. Rendle L. Cornwell, director of technical services for Pfizer Animal Health Operations; Dr. Don Wagner, Oklahoma State University, "Improving the Use of Sorghum Grains;" Dr. Trygve L. Veum, University of Missouri, "Protein and Energy Sources and Utilization by Neo-natal Pigs;" Dr. Edwin T. Moren, University of Guelph, Canada, "Successfully Formulating Low Energy-Protein Feeds for High Performance Poultry;" and Dr. Steven C. Henry, Abilene Animal Hospital, P.A., "Control of Swine Dysentery."



**TALKING POLLED**—Longtime supporter of the Western Polled Herefords, Inc. Sale in Burlington, Colo., Harley Rhoades, Burlington, Colo., visits with Melrose Miller, Paoli, Colo., the Colorado-Wyoming Polled Hereford Queen. (Staff photo by Jerry York)

## Livestock Conservation Institute

Pseudorebias (PRV) and the animal rights-animal welfare issue will highlight the annual meeting of Livestock Conservation Institute. The meeting will be May 26 to 28 at the Bel Air Hilton Hotel in St. Louis, Mo.

The program will begin with a hearing on PRV at which producer groups will be asked to present their views on the course the industry should take on that disease—eradication, control or vaccination. Neel Bleck, president of LCI, said.

The PRV committee of LCI will meet the next day to determine its position in light of the statements at the hearing and discuss other developments with regard to the disease.

The animal rights discussion will begin on May 27 with a panel discussion featuring two representatives of the humane movement and two livestock industry representatives. That will be followed by committee discussions on the subject the next morning.

Also meeting will be committees dealing with identification, chemicals and medications, brucellosis, feeder cattle health, parasites, emergency diseases, swine dysentery and TB.

## American Maine-Anjou Association

At a recent meeting of the Board of Directors of the American Maine-Anjou Assn., a resolution was adopted to authorize the hiring of an executive secretary. The increased interest in the Maine-Anjou breed, as evidenced by the large number of new buyers purchasing cattle at Maine-Anjou sales and the increase in exhibitors at Maine-Anjou shows, has resulted in the need for an individual to represent the AMAA on a national level.

Applications for the position of executive secretary should be addressed to: Executive Secretary Screening Committee, American Maine-Anjou Assn., 587 Livestock Exchange Bldg., Kansas City, MO 64102. All applications will be held in strictest confidence.



**SALE VISIT**—Howard Brown (left), Logmont, Colo., the western manager for Herding and Harding Livestock Insurance, visits with Dena Piloni, Gunnison, Colo., following the Grisham Hereford sale, Holyoke, Colo. Piloni is one of the top commercial cattlemen in Colorado and is known for the top quality bulls he buys. (Staff photo by Jerry York)

## Oklahoma Beef Cook-off

Housewives from throughout Oklahoma will compete for the \$500 first prize in the Oklahoma State Beef Cook-off contest sponsored by Oklahoma CowBelles, Inc., according to Mrs. James Selman, Woodward, state chairman. In addition, the first place winner will win an expense paid trip to Sioux Falls, S.D. to compete for the \$1500 first prize in the National Beef Cook-off contest.

The state-wide beef cook-off contest will get underway with 12 regional contests starting April 25 at Guyton and ending May 9 at Tahlequah. Sara Branscum, food specialist, Oklahoma City, will judge each of the regional contests.

The contest this year is aimed toward the consumer's desire to eat well, while stretching the food dollar.

Any person wanting to enter the cook-off contest should contact the Oklahoma CowBelles, Inc., P.O. Box 82396, Oklahoma City, Okla. 73148.

## American Quarter Horse Assn.

Merton Clark, Pebble Beach, Calif., who has been active in the Quarter Horse business for many years, was elected president of the 119,000 member American Quarter Horse Assn. at the 42nd AQHA Convention held recently in Honolulu, Hawaii. The convention was attended by more than 600 members and guests of the American Quarter Horse Assn. representing 40 states and four foreign countries.

## VIDEO WEST

2nd Annual FEEDER  
CONTRACT AUCTION

FRIDAY, MAY 1

at the Madonna Inn

San Luis Obispo, California

One in a series of important factors in beef breeding

# DEPENDABILITY

Whatever traits you're breeding for, dependability is one of the greatest factors. To make an A.I. program work, you need the best performance and progeny proven sires available; high quality semen that'll get the job done; and A.I. personnel that are experienced, knowledgeable and ready...

ABS has the solutions.



28SM0212 ABR Bir Arnold 0809 is a Simmental trait leader for weaning weight... 103 weaning and 102.1 yearling kilos. He's siring smaller than average size calves at birth and his daughters are excellent mothers.



28SM0207 Single Nick Double Time (Double Polled/S) is a tall, long-bodied and very clean double-polled Simmental. His progeny are proving to have superior growth with excellent conformation and style.



28SM0203 Polled Preference (Polled/S) is a unique Simmental recommended as a calving ease bull with above average progeny growth... 100.2 weaning and 100.4 yearling kilos.



28SM0004 Ger 11 Uell is a top maternal sire and Simmental trait leader for daughters' first calf calving ease... 110.7 calving ease, 100.8 weaning and 101.2 yearling kilos. His calves are well muscled with excellent conformation.

**ABS A BETTER BEGINNING**  
AMERICAN BREEDERS SERVICE  
Division of W. R. Grace & Co.  
DeForest, WI 53532 (608) 846-3721

I'm interested in solutions.

☐ Please send me more information on your beef sires.  
☐ Please have an ABS representative contact me.

AMERICAN BREEDERS SERVICE  
DeForest, Wisconsin 53532 (608) 846-3721

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Town \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Herd Size \_\_\_\_\_  
Breed \_\_\_\_\_  
Wt. \_\_\_\_\_  
Authorized distributor of **ABS LINDE** refrigerators

# COLEMAN LIMOUSIN RANCHES

Discover the Limousin extra — extra pigmentation, extra calving ease, extra size and pounds at weaning time, extra carcass and extra dollars because they are Limousin (many feeder buyers demand Limousin cross feeder cattle).



**120 BULLS** SELL **APRIL 21**  
1 P.M.—MISSOULA LIVESTOCK AUCTION, MISSOULA, MONTANA

**35** COMING 2-YEAR-OLD BULLS  
**85** YEARLING BULLS

Featuring  
12 Black purebreds (one polled) also 12 Red purebreds (one polled) 60 head are Black Limousin

Auctioneer: Alan Meyers  
Free Lunch

Larry Coleman  
Rt. 1, Box 22  
Phone 406/644-2300

**CHARLO, MONTANA 59824**  
SALE DAY PHONE — 406/728-3052

Harley Coleman  
Rt. 1, Box 26  
Phone 406/644-2232

Stop in anytime  
and see our  
sale offering

For Information & Catalog





**CATTLEMAN ON CAMPAIGN**—Checking in at the Denver airport for a trip to Boston, Philadelphia and Washington, D.C., are Cal Coulter (left), NCA Region VII vice president, and NCA immediate past president Merlyn Carlson, both from Nebraska. They were among some 100 members of the National Cattlemen's Assn. and affiliates who fanned out across the nation recently in an effort aimed at improving beef demand and movement. The cattlemen called on 60 major food chains, plus local supermarket firms.

## Southwest cooperative considers consolidation

Producers Grain Corp., of Amarillo, Texas, has been discussing the possibility of merger or consolidation with other regional cooperatives, and the liquidation of some of its assets, according to George Jones, vice president and acting general manager of Producers Grain.

Financial problems resulting from losses in cattle operations, estimated by some sources to be as large as \$12 million, have put the southwestern cooperative in a precarious financial position, trade sources told CNS.

Rumors had circulated in the grain trade that Producers Grain was nearing bankruptcy because of the heavy losses.

However, a spokesman for the Texas Bank of Cooperative, the grain company's major financier, said Producers Grain still had a valid line of credit.

"The credit line is still open, and we have concerns about it. We are working with them. They have a longstanding account with us," a Texas Bank spokesman said.

Trade sources said several farm cooperatives had been approached by a

## 'Safety first' can prevent animal-related mishaps

Farm animals may be responsible for up to 10% of all farm and ranch injuries, with children often the victims.

Knowing and using proper farm animal handling methods can prevent many of these injuries, points out Dr. Gary S. Nelson, safety engineer with the Texas Agricultural Extension Service, Texas A&M University system.

He emphasizes the need to "use" known safe practices. Cautiously enough, notes the engineer, even Bible scripture warns that "knowing how to charm a snake is of no use if you let the snake bite first."

Most animal-related accidents involve violation of simple, common sense procedures, Nelson points out. So, he emphasizes, a number of guidelines:

- Teach children to treat farm animals and pets with kindness and respect.
- Always expect the unexpected when handling animals.
- Do not let anyone to

## Yearly calving success hinges on cow nutrition

Hard nutrition is essential for cattlemen wanting to produce one calf per cow each year.

"A cow's reproductive performance is directly related to her plane of nutrition," says Dr. Larry

## Japan raises beef prices

The Japanese Government decided recently to raise by 1.2 to 3.1% official beef stabilization prices and to increase pork stabilization prices by two percent, the Ministry of Agriculture, Forestry and Fisheries said.

Reports CNS, the ceiling price for Wagyu steers was increased to 1817 yen per kilogram from the current 1763 yen. The median price was raised to 1008 yen from 1560 and the floor price to 1339 yen from 1357 yen (212.50 yen equals one U.S. dollar).

The Ministry also increased the price of beef steer prices by 1.2%. The ceiling price was raised to 1452 yen per kilogram from the current 1435, the median price to 1285 yen from the current 1270 and the floor price to 1118 yen from 1105 yen.

For pork, the ceiling price

was increased to 771 yen per kilogram from the current 761, the median price to 680 yen from 671 and the floor price to 600 yen from the current 588 yen.

The standard price system is aimed at the stabilization of domestic meat prices. When wholesale prices move above ceiling meat prices, the quasi-governmental Japan Livestock Industry Promotion Corp. releases meat in storage. The LIPC buys and places meat in storage when the wholesale price falls below the floor price.

The ceiling and floor prices were set at a range of 13% from the median level. The current stabilization prices were instituted a year ago, when the beef prices and the pork ceiling prices were increased and the pork floor price was decreased.

"Nutrient requirements of the beef animal depend on age, condition, weight, stage of production and milking ability during lactation," Boleman notes. "For

TAG	ADG	ADG Ratio	WDA	WDA Ratio	Test Index
53-1	3.74	107	3.19	103	105
53-2	3.71	107	3.10	107	107
53-3	3.00	112	3.15	109	110
53-4	3.48	100	2.11	93	97
53-5	3.51	101	3.04	100	101

We select for overall birth weights in order to better serve our commercial customers.

**Propst Ranch, Inc.**  
Keith Propst • 303/522-0080  
P.O. Box 216 • Merino, Colorado 80741

## PASKO'S POLLED HEREFORDS SELLING AT AKRON

TAG	ADG	ADG Ratio	WDA	WDA Ratio	Test Index
98-1	2.80	109	2.75	114	111
98-2	2.81	107	2.44	101	104
98-3	2.62	94	2.50	107	103

Toga 98-1 and 98-2 are sons of AMH Beau Victor 105 and 98-3 is a son of 1% Mr. Beef 68K. Look for this top consignment of Polled Hereford bulls ready for turn out.

**Bulls For Sale at the Ranch**  
**PASKO'S POLLED HEREFORDS**  
Mike Pasko • 303/745-2224 • Ramah, Colo. 80832

## Selling at the N.E. Colorado Bull Test Sale Akron, Colorado • April 11

TAG	ADG	ADG Ratio	WDA	WDA Ratio	Test Index
6-1	3.32	104	3.03	107	105
6-2	3.03	95	2.95	104	100
6-3	2.85	89	2.95	104	97
6-4	3.14	98	3.15	112	105
6-5	3.22	101	3.38	120	110
6-6	2.97	92	3.00	106	99

This outstanding pen of bulls is sired by Ibico, Jeff and Mr. Jeff. Don't miss them. They are all 1/2 blood bulls.

**John Holtorf • 303/345-6395**  
**Burdette Rt. • Akron, Colo. 80720**

## Wagner Red Angus at Akron

TAG	ADG	ADG Ratio	WDA	WDA Ratio	Test Index
38-1	2.99	95	2.61	95	95
38-2	3.58	113	3.07	112	113
38-3	3.01	95	2.81	103	98
38-4	3.55	112	3.10	113	113
38-5	3.29	104	2.61	95	100

The sires of this consignment include Red Line Daniel Boone, 8092 P&G 74 and J096078.

**FRN & Co.**  
Chip Newton • Rt. 1, Box 225  
Franktown, Colo. 80116 • 303/668-5554

## Wheat, feed, price supports to receive 'modest' increase

Wheat and feed grain price support loan rates have been singled out for "modest increases," U.S. Agriculture Secretary John Block said, according to CNS.

## USDA confirms scabies outbreak

There were 33 confirmed outbreaks of psoroptic cattle scabies in 10 states during February, the USDA reported.

According to CNS, outbreaks were confirmed in Arizona, California, Colorado, Idaho, Kansas, Minnesota, Nebraska, New Mexico, Oklahoma and Texas. From Oct. 1980 through Feb. 1981, there were 100 outbreaks.

Block also said the

administration had decided how much of an increase in support price rates for feed grain and wheat it wants.

He said the administration might make other changes in the farmer-owned reserves to give "the market ample room to function." Among possible changes is altering the call price concept, which when reached forces all grain in the reserve to go back to the market within 90 days.

In his talk, Block said any legislative attempt to restrict imports of casein, used for dairy products, would be "untimely, unwarranted and may be violative of international trading rules."

Block also reiterated his support for increasing U.S. exports of processed feeds, but said, "I can't give you any specifics in terms of programs or dollars."

TAG	ADG	ADG Ratio	WDA	WDA Ratio	Test Index
75-1	3.21	105	2.51	94	99
75-2	3.15	103	2.59	96	100
75-3	3.60	118	2.89	100	109
75-4	3.67	127	2.67	100	113

Consignor of the 4th and top gaining Herefords. Selling 4 big sons of S Titan 7134 on April 11.

**Robert Gottbuehet and Sons**  
RR 2, Box 56 • Kirk, Colorado 80824  
303/354-7355

TAG	ADG	ADG Ratio	WDA	WDA Ratio	Test Index
14-1	3.49	109	2.77	96	104
14-2	3.50	112	2.66	101	107

Both of these top Angus bulls are sired by Emulous TN925.

**W.R. "Bud" Kincaide**  
1888 Lane 33 1/2 • Pueblo, Colorado 81006  
Phone: 303/948-3501

## SELLING 2 ANGUS BULLS at Akron, April 11

TAG	Sire	ADG	ADG Ratio	WDA	WDA Ratio	Test Index
12-1	Bon View Winton 1349	3.26	102	2.90	103	102
12-2	Laurel Creek Chalga	3.13	98	2.82	100	99

**BULLS FOR SALE AT THE FARM**

**HARTMAN Angus Farms**  
Gregg Hartman • 303/948-3901  
36333 South Road • Pueblo, Colorado 81006

**NCBTA**  
**NORTHEAST COLORADO**  
**BULL TEST STATION**  
5TH ANNUAL

## Performance Tested Bull Sale April 11

### 260 BULLS ON TEST — TOP HALF WILL SELL

260 bulls are being Performance Tested in cooperation with CSU at the Eastern Colorado Research Center located halfway between Akron and Sterling on Highway 63. The bulls are being fed a corn silage base ration (65% TDN, 12.8% protein) and are currently gaining 3.3 pounds per day. The top half of the bulls from each breed group will be offered for sale and will have been cleared for interstate shipment and fertility tested.

**NEW TEST FACILITY and SALE LOCATION**  
Located midway between Akron and Sterling, 1/2 mile south of Interstate 76 or 16 miles north of Akron on Highway 63, 1 1/2 miles east on County Road 57.

**ANGUS — 90 BULLS**  
(From 28 Cooperators)

**RED ANGUS — 27 BULLS**  
(From 8 Cooperators)

**SIMMENTAL — 45 BULLS**  
(From 19 Cooperators)

**OTHER BREEDS — 27 BULLS**  
(From 10 Cooperators)

**HEREFORD — 48 BULLS**  
(From 20 Cooperators)

**POLLED HEREFORD — 20 BULLS**  
(From 6 Cooperators)

**WRITE FOR CATALOG**  
NORTHEAST COLO. BULL TEST ASSN.  
BURDETTE ROUTE, BOX 69  
AKRON, COLORADO 80728  
(303) 346-6402

**PERFORMANCE TESTED BULL SALE — SATURDAY, 12:00 NOON — April 11, 1981**  
**SALE TO BE HELD AT NCBTA'S NEW TESTING FACILITY**  
**AUCTIONEERS: JIM WINGATE and BUD VAN BERG**  
**LUNCH AVAILABLE AT SALE SITE.**  
**DON'T MISS THIS OPPORTUNITY TO BUY A REAL HERD IMPROVER**

## CW HUNTINGTON RED ANGUS AT AKRON

TAG	ADG	ADG Ratio	WDA	WDA Ratio	Test Index
32-3	3.10	98	2.78	102	100
32-4	3.33	105	2.78	101	103
32-5	3.08	97	2.93	107	102
32-6	3.02	96	2.77	101	98

All of this top consignment of Red Angus bulls are sired by MR D0895 CWH 7046. Selling 1 Red Angus bull at Midland, Billings, Montana.

**C.W. Huntington Ranches**  
Hesperus, Colorado 81326  
303/966-2532

## Kiowa Creek Ranch Angus

TAG	ADG	ADG Ratio	WDA	WDA Ratio	Test Index
15-1	3.48	109	2.90	102	105
15-2	3.63	114	2.92	103	106
15-3	3.14	99	2.64	93	96

Tags 15-1 and 15-2 are both sons of Rilo 707 of Ideal and Tag 15-3 is a son of SL Colossal Brutus.

This is a top consignment of quality Angus bulls; look for them.

**Kiowa Creek Ranch**  
Dwight Guy • 28499 Co. Rd. 45  
Kiowa, Colo. 80117 • 303/621-2244



WHERE CATTLEMEN CONGREGATE

# Ranchers Roundup

## ANGUS BULL SALE

4th Annual

250 Head  
180 Long Yearling Bulls  
70 Heifers

To sell at **PEAK DOT RANCH WOOD MOUNTAIN, SASKATCHEWAN**

HERD SIRES:



BARDOLENE 636 '78



BARDOLENE'S LAD 500 '74



BLACKCAP GRANDEUR 1135



NORTHERN PROSPECTOR 725



LARKSPUR BAR LAD 11



BARDOLENE OF DOUBLE AA 500 '76



NORTHERN STRENGTH



NORTHERN PROSPECTOR 187

12:00 Noon

15 miles North of WEST POPLAR CUSTOMS  
40 miles Southwest of ASSINIBOIA, SASK.

### SAT., APRIL 25 1981

These are all sound, honest performing cattle that suit the environment and our customers operation.

- Free delivery 300 mi. radius of ranch
- Ranch Style Hot Meat courtesy of Rancher's Roundup.
- Large groups of half brothers
- U. S. money at premium
- Performance tested
- No bulls sold prior to sale
- Testicles measured
- Herd Sire prospects
- No interests retained on any bulls
- Semen available on herd bulls on sale day

4400 Lt. Air Strip at West Poplar Customs. There will be transportation provided from West Poplar and Assiniboia.

Pre Sale Social APRIL 24 at ASSINIBOIA LODGE HOTEL, Assiniboia, Sask.

FOR CATALOGUES AND INFORMATION

CONTACT:

DOUBLE AA ANGUS RANCH  
BILL DILLABAUGH  
308/965-2648  
COLEVILLE, SASK.

PEAK DOT ANGUS RANCH  
TERRY MONEO  
308/285-4303  
WOOD MOUNTAIN, SASK.

## CANADA'S LARGEST ANGUS BULL SALE

## New calf management technique involves keeping accurate records

Death losses, disease treatment costs and retarded growth and development in replacement and weaning calves add up to tremendous annual economic losses for the cattle industry.

Based on the need for improvement in preventing disease in replacement and weaning calves, the Kansas Livestock Assn. and the Kansas Veterinary Medical Assn. met and worked out the details for what is now

called the KVMA/KLA Kansas Feeder Calf Pre-conditioning Program.

Objectives of the program are to minimize sickness and death losses by calves and feeder cattle and to promote and reward good livestock management.

"Producers and veterinarians continue to work together to get the program underway," says Dr. Homer K. Caley, extension veterinarian at Kansas State University. "Public accep-

tance has been good and interest is increasing statewide," he adds.

But one major problem at this point, says Caley, is acceptance by the auction market operators. It will take some explanation to both the buyers and sellers before the certified pre-conditioning program will work.

Caley described the program at a recent KSU Cattleman's Day in Manhattan, Kan.

Under the program guidelines, animal identification will be extremely important because it is necessary to keep all pre-conditioned animals separated until the buyer knows they have the right calves. Pre-conditioned calves under the KVMA/KLA program are identified and recorded in the official form. One copy of the form goes on file at the KVMA office and another goes to the KLA office, interested buyers may contact the

respective offices for information, although Caley says, "Most calves will be sold through special sales or direct off the farm."

Other states that have similar existing programs include Iowa and Kentucky.

The one page certificate records mandatory immunization procedures, other management details and lists of optional procedures.

The form must be signed by the seller and the purchaser.

Mandatory immunization procedures listed include clostridial immunization and IBR, P13 immunization. Optional immunization procedures also are listed and include immunizations for BVD, pasteurella, a seven-way clostridial immunization, leptospirosis, vitamin A, Haemophilus Contours and others.

Other mandatory procedures listed are that calves have been owned by seller for 60 days, calves are at least four months of age when immunized, calves have been weaned for 30 days and trough and bunk adjustments have been started. Also there's a listing of feed ration used

during pre-conditioning period, no indication that bull calves have been castrated, a certification that all calves were tipped or dehorned and that calves were treated for grubs or lice. Optional procedures include worm treatment or fecal test and implanting information.

In each listing the seller fills in the date when each procedure was done.

The pre-conditioning certificate also notes, "This program is concerned only with immunization and management procedures. No representation of pedigree, breeding or performance is intended. This program does not guarantee the perfect health of the animal. This program is administered with the understanding that livestock are influenced by positive and negative effects of genetics, management and environment. All observable defects are to be identified. This program is limited in its effect to the first sale following the pre-conditioning treatment, by auction or private treaty, of any cattle under this agreement."

## Hoagland to head Nutrition Service

Secretary of Agriculture John Block recently appointed G. William Hoagland administrator of the USDA's Food and Nutrition Service, the agency responsible for the federal food stamp and child nutrition programs.

Hoagland previously worked for five years in the Congressional Budget Office's division of human resources and community development. He also headed that office's income security and employment unit, where he handled policy analysis of legislative issues related to domestic food and nutrition policies as well as federal employment programs and income security issues.

\*\*\*



**TRANSFERRED**—James D. Robinson has been transferred within Blanco Products Co., the agricultural marketing division of Eli Lilly and Co. Robinson has been named to the newly created position of manager of strategic planning for animal products according to J.T. Whitehead, director of marketing planning for animal products.

**VICKIE WINS**—Champion female honors at the Western Polled Herefords, Inc. Show and Sale, Burlington, Colo., went to Shain Hereford Ranch, Torrington, Wyo., on SH Vickie 105 6M. She sold for \$1000 to Helma Polled Herefords, Holbrook, Neb. (Staff photo by Jerry York)

## OUR 1981 RED ANGUS BULL SALE IS DEDICATED TO



"CHOCTAW CHIEF 373" (10/5/65 to 12/22/80)

- \* "373's" Genetic Dominance is present in every tested yearling bull we will sell this spring. They are Linebred to him.
- \* At their 112th day test weight our 130 spring bulls averaged 3.52 pounds gain per day, had an actual average weight on 3/5/81 of 1059 pounds and are projected to hit an average of 1160 pounds at 365 days.
- \* "373's" sons, grandsons and great grandsons have dominated the National Red Angus Sire Evaluation Program since its beginning. Every generation tops the prior ones. Isn't it time you used one?

**115 HEAD SELL AT INWOOD, IOWA**  
FRIDAY, APRIL 10th, 1981 • 6:30 p.m. (EVENING SALE)  
Sale at our Timberline Farms Test Station, 3 miles south, 4 west of Inwood, Iowa.

Illustrated catalogs mailed on request. Call or write to—  
**MID AMERICA CATTLE CO**

Garold L. Parks, Mgr. • 515/292-8226  
521 Hayward • Ames, Iowa 50010

**WESTERN LIVESTOCK JOURNAL**  
Meat Board leader resigns presidency  
Comments  
N  
FDA playing politics with DES grilling?  
Outraged livestock producers seek stronger predator control

**THIS MIGHT BE THE BEST TWO-BITS YOU'LL EVER SPEND!**

**Right!**  
For just over 25 cents per week you can stay informed on the latest in market trends, industry news and auction reports. Subscribe TODAY to WESTERN LIVESTOCK JOURNAL.

**Subscribe for 3 years . . . Save \$16.50!**

Fill out this coupon and mail to:  
W.L.J., P.O. Drawer 177, Denver, CO 80217

Please check: ☐ 3 years . . . \$33.00 Please allow 4 to 6 weeks for delivery  
☐ 2 years . . . \$25.00  
☐ 1 year . . . \$16.50

☐ I would also like to receive the monthly LIVESTOCK Magazine FREE to cattle producers who qualify

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Town \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

☐ New subscriber ☐ Renewal

☐ Check enclosed ☐ Please bill me  
☐ Please charge: ☐ Visa ☐ Master Charge

Card # \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
Card Holder's Signature \_\_\_\_\_



# Don't let money go up in fumes; ag engineer writes fuel-saving list

Everyone is looking for ways to reduce petroleum consumption, especially farmers and ranchers. There is no single item that will have a drastic impact on the amount of fuel a rancher uses. What it takes is a combination of a lot of little things. Many of the fuel-saving practices on this checklist have been around for years. However, they have suddenly taken on new importance, notes Duane Hauck, extension agricultural engineer at North Dakota State University.

Checklist—to help you get more from a tankful of fuel:

- **Control evaporation**—You can lose up to 10 gallons of gasoline a month in a 300-gallon tank that is painted red. Painting it white or silver will cut these evaporation losses by about a third. But if you move the tank to a completely shaded location and install a pressure-vacuum relief filler cap, you'll lose less than 1.5 gallons a month. (You do not have to worry about color if the tank is properly shaded.) Burying a tank in an even more effective way of controlling evaporation.

- **Check for leaks**—Check all connections between the storage tank outlet and the nozzle...as well as the hose itself. A drop every two minutes can add up to 35 gallons wasted fuel a year.

- **Buy fuel efficient tractor**—Consider fuel efficiency when you buy your next tractor. Keep in mind that diesel uses about 30% less fuel than a gasoline tractor.

- **Match tractor to job**—Either overloading or underloading a tractor can waste fuel. Keeping your own fuel use records can help you determine which of your tractors is most fuel efficient for a given job.

- **Keep tuned**—A tractor that is operating poorly may waste up to 25% of the fuel it consumes. A regular tune-up is a must for a gasoline tractor. At the very least, a diesel should get an annual dynamometer check. If horsepower is down, the fuel injection system should be checked by your dealer.

- **Keep it serviced**—Following the service recommendations in the operator's manual can pay off in a lot of ways, including better fuel efficiency. Make sure you change oil as well as oil, air and fuel filters at proper intervals.

- **Check thermostat**—A tractor engine will wear out faster, develop less horsepower and use more fuel

when it runs too cold. Most engines are designed to run most efficiently when water temperature is between 185 to 190 degrees Fahrenheit. Check operator's manual.

- **Gear up; throttle down**—When using a high-horsepower tractor with a light load, you can reduce fuel use by 15-25% by shifting to a higher gear and running the engine at a lower speed. It is generally safe to reduce engine RPM by 20 to 30% of rated RPM. You should, however, check the operator's manual for specific recommendations for your tractor. Never throttle back to this point where the engine appears to be "laboring" or "lugging".

- **Use efficient ground speed**—Within limits, faster field speeds can help you use both power and fuel more efficiently. But keep in mind that speed also influences the quality of work. Most implements perform best within the four to six miles per hour range.

- **Reduce idling time**—Idling is expensive. A tractor may use up to 40 to 45% as much fuel at high

idle as it does under full load. A 145-horsepower diesel, for example, will burn about one-half gallon of fuel per hour while idling.

- **Check wheel slippage**—You need some wheel slippage from 10% on firm soil to 15% on sandy soil to develop maximum available horsepower in the field. But excessive slippage increases tire wear and wastes power and fuel. Wiped out or completely broken tire cleat marks in the soil indicate too much slippage. With proper slippage, the tread pattern is still present even though soil between cleat marks is slightly shifted. Slippage can be controlled by adding or removing ballast.

- **Consider radial tractor tires**—Because of their "longer footprint," radials decrease slippage and increase fuel efficiency. They cost more, however, with today's fuel prices it does not take long to recover that higher cost in fuel saving alone.

- **Check tire inflation**—Either under-inflation or over-inflation can effect fuel efficiency. Check operator's

manual for recommended pressure. Then, if possible, check tires once a week.

- **Keep parts, tools in field**—You can eliminate a lot of fuel-consuming trips with the pickup just by keeping tools and a supply of spare parts in the field. Checking equipment carefully and making needed repairs during off-season months can help you avoid emergency trips to town.

• **Reduce field trips**—Eliminate any tillage operation that does not increase crop yields. You may save as much as a gallon of fuel just by cutting out a second or third trip over the field with a disc. Combining operations, or pulling two implements at once, can also save you time, money and fuel.

• **Minimize turning**—Turns are non-productive. Some people who help you swallow what's just told you.

## 90 Two-year-old CHAROLAIS BULLS

9th Annual PRODUCTIONS SALE

April 25, 1981

1 p.m. • At the Ranch

POLSON, MONTANA

PERFORMANCE TESTED • All Index over 100

Bingo, Aiglon, Abraham, Excelsior, Honnibal, and Cadet bloodlines

FREE DELIVERY • FULLY GUARANTEED • SOME HERD SIRES • SOME POLLED

20 Polled Bulls Including 4 Top Herd Sire Prospects

VALLEY VIEW CHAROLAIS RANCH

T. E. BUDDY WESTPHAL • 406/883-2469

Route 1, Box 157, POLSON, MONTANA 59860

Grown Out • Ready To Use  
Not Feed-Lot Fattened

## "THE PLACE TO BE" Monday, April 20

### Bull Performance Test Sale

Herefords  
Polled Herefords  
Angus  
Red Angus

12:00 Noon at  
the Great Falls Livestock Market Center  
(located at USD Feedlot, 10 miles west of Great Falls on Hwy 200)

Great Falls, Montana

#### Consignors:

##### HEREFORDS

Dutchman Hereford Co., Avon  
Murry J. Brown & Son Herefords,  
Lodge Grass

Stan Weaver, Big Sandy  
High Plains Herefords,  
Big Sandy

Lee Taylor, Fort Benton  
Feddes Herefords, Manhattan  
Venhuizen Herefords, Manhattan

Smith Herefords, Bozeman  
Jack Gehring, Helena  
James McKechnie, Shelby

Diemer Ranch, Inc., Lohr  
Richard Ewing, Power  
Ulrich Hereford Ranch,  
Claresholm, Alberta

Rimrock Cattle Co., Kevin  
Gunderson Herefords, Chester  
Choteau Cattle Co., Simms

Brown Hereford Farm,  
Moulton, Iowa  
77 Bar Hereford Ranch,  
Standard, Alberta

Doug Fraser, Hussar, Alberta

##### POLLED HEREFORDS:

Orville R. Forseth, Fairfield  
Sunny Slope Ranch, Fairfield  
Tonne Polled Hereford Ranch,  
Geraldine

Alex McAlpine, Sunburst  
Jay McAlpine, Sunburst

Catherine McAlpine, Sunburst  
Van Haur Polled Herefords,  
Hilger

Minuteman Polled Herefords,  
Conrad

Rimrock Cattle Co., Kevin  
Revolution Ranch, Kevin

##### RED ANGUS:

Sunset Ranch, Fairfield  
Henry & Barb Sivumaki,  
Sun River

Roberts Red Angus, Hilger  
Jon & Sarah Leonard, Hilger  
Hamlett Ranch Co., Sun River

##### ANGUS:

Lost Lake Ranch, Fort Benton  
Lund's B Bar Angus, Wilbax  
Jeter Angus Ranch, Scio, Ore.

Pete Hanson & Son,  
Springfield, Ore.  
R.C. & Ruth Schmunk,  
Springfield, Ore.

Heffner Angus Ranch,  
Eugene, Ore.  
Wayne & Janice Knudsen,  
Belleville

Hodgskiss Angus Ranch,  
Fairfield  
Springdale Ranch, Hobson  
Butte View Angus Ranch, Uhm

Cedar Hills Angus, Belgrade  
Coltontail Ranch, Melville  
Hyllne Angus Ranch, Manhattan  
Van Dyke Angus Ranch,  
Manhattan

Paul F. Boylan, Jr., Bozeman  
Diamond D Angus, Valler  
Gail Gremaux, Lewistown

Silhouette Angus, Brusell  
Baird's Angus Ranch,  
Judith Gap

Tom Walling, Winifred  
N-Bar Land & Cattle, Co.,  
Grass Range

Arntzen Angus Ranch, Christna  
Rudolph Bros., Joplin & Chinoock  
Merlin Gilman, Garrison

Lazy 2T Angus, Dixon  
P Bar P Ranch, Inc., Lonepine  
Mountain View Angus Ranch,  
Columbia Falls

Rancho Casino, Turlock, Calif.  
Rams Land & Livestock,  
Whittier, Calif.

Schuler Bros., Carter

For more information  
and catalogs, contact:  
Russ and Barb Pepper  
Box 217  
Simms, Montana 58477  
406/264-5694

## Beef demand reflects changes in society, reports nutrition specialist

Cattlemen must know the changing needs and attitudes that consumers have toward beef before they can hope for beef consumption to increase.

High beef prices are the major reason that consumers give for not buying red meat. This explains the noticeable per capita decline in beef consumption since 1976, says Mary K. Sweeten, food and nutrition specialist with the Texas Agricultural Extension Service, Texas A&M University System.

"High prices have forced consumers to cut back on beef purchases, substitute cheaper cuts, and buy poultry and fish rather than beef. Others have stopped buying beef altogether," Sweeten explains.

"Cattlemen should realize that recent major changes in society have affected food consumption. Among these," she says, "are the number of available items in the grocery store, drastic changes in living patterns, an increase in the elderly population, health concerns and a reported seven million vegetarians. Although not practicing vegetarianism, another 37.5 million are making a conscientious effort to eat less meat."

Also affecting food consumption is the increased popularity of fast food establishments, government food programs and new food technologies that are resulting in more "engineered foods" such as

breakfast bars and space sticks.

"American food policy has always stressed quantitative proportions to avoid hunger and nutrition deficiency diseases. But recently qualitative considerations have become more important," Sweeten says.

Beef is known as a nutritious food that contains protein, iron and the B vitamins that supply the body with nutrients. It also contains calories for energy.

But beef has appreciable amounts of fat that consumers are trimming off and throwing away. Cattlemen

should look for ways to raise leaner animals, Sweeten notes.

"Cattlemen must also use marketing strategies to meet the needs of each consumer group in America: low income, senior citizens, minorities and parents. Consumers from different socio-economic levels and other groups differ in their beef needs."

"Cattlemen must understand the images that these groups have of the beef industry and work to provide leaner beef at more reasonable prices," Sweeten says.

## First screwworm find; sterile flies distributed

Sterile screwworm flies are being distributed in the El Paso, Texas area as a result of the first screwworm find in the U.S. since Aug. 27 of last year.

Dr. James E. Novy, director of the USDA Screwworm Laboratory, says the El Paso sample was collected by Guy Johnson, DVM, from a dog on Feb. 27. It arrived at the lab and was identified March 2.

Animal and Plant Health Inspection Service (APHIS) epidemiologist Dr. Steve Smith arrived in El Paso and started studying the case the day it was identified.

Smith stressed the need for lab identification of a sample of any worms found

in a wound in any warm blooded animal. Free, postage paid, sample submission kits are available from county agents, feed stores, livestock inspectors, or from the Screwworm Lab at Mission, Texas.

Larvae of the screwworm fly feed on living tissue in warm blooded animals. Eradication efforts center on the fact adult females usually mate only once in their lifetimes.

Artificially reared screwworm flies are rendered sterile and then released among populations of wild flies. Eggs resulting from a sterile to fertile mating will not hatch, ending the life cycle.

DIAMOND

CATTLE COMPANY

## BRANGUS BULL SALE

WEDNESDAY, APRIL 15

1:00 P.M. — Tulsa Stockyards — I-44 E. of Tulsa — Exit 181st Ave.

TULSA, OKLAHOMA

Sale Day Phone:  
918-234-3438

The Breed's Leader  
In Performance

FOR INFORMATION OR CATALOGS:

MATTHE ANN  
SYLER SALES

Tim Wille 713/289-4400  
713/693-0456 Rt. 2, Box 35  
Burton, Texas 77835

DIAMOND CATTLE COMPANY

HEADQUARTERS RANCH  
Don Norton, managing partner  
Rt. 1, Blue Ridge, Texas 75004  
214/752-5953

OKLAHOMA DIVISION  
Tarry Holman, ranch manager  
Rt. 1, Welch, Okla. 74369  
918/929-7275



Put your herd in the  
**PROFIT PICTURE!**  
**4th Annual Performance Tested Bull Sale**  
Thursday, April 16, 1981  
12:30 p.m. at the ranch 1/4 mile south on Hwy. 29 of  
Harrison, Nebraska



The brand that puts it all together

## Selling 85 Performance Tested Angus Bulls

#### Featured Sires:

Dakota Poundmaker 1818 • Blackcap Grandeur "936" • Sir Wms Warrant  
Columbus Advantura 2057 • Dakota Poundmaker 2626

Complimentary Lunch Sale Day

Sale Managed by:

RLS  
Rishel Livestock Services  
P. O. Box 1511  
North Platte, Nebraska 69101  
308/534-6305

**WINDY ACRES ANGUS**  
Harrison, Nebraska 69346

Warren Wackman, Jr., President  
Jerry Fitzgerald, General Manager  
308/668-2547 Home • 308/668-2500 Office



**PRESIDENT** — Earl Murray, CYD Polled Herefords, Golden, Colo., was recently elected president of the Colorado Wyoming Polled Hereford Assn. Murray is very active in the Polled Hereford business and was a contributor to the Western Polled Hereford Sale held in Reno, Nev. in 1979.





NEBRASKA ANGUS ASSN.—1981 officers and directors of the Nebraska Angus Assn. are: (front row, left) secretary-treasurer Miles Grosath, North Platte; vice president Richard Weers, Diller; president Lew Laffin, Crab Orchard; immediate past president Ron Sabala, Bellwood; (back row) Jerry Fitzgerald, Harrison; John Quirk, Hastings; Kenneth Claiborn, Beemer; and Laverne Synder, Orleans. Not pictured are Jerry Kirwan of Bassett and Ronnie Lovitt, Mason City.

## Cattlemen told processing practice compliments good beef production

Cattlemen and livestock packers, attending a recent Kansas State University's Cattlemen's Day to learn about production practices that might be used to improve their product, heard from the other side of the aisle—from the side that deals with processing the meat.

Curtis Kastner, meats researcher at K-State, told of several practices currently employed or future postmortem processing treatments that researchers have worked on that are effective in improving the tenderness of beef and minimizing the variation in tenderness. He also told about one effort to improve the economics of processing.

He said, "Your objective as producers is to efficiently produce palatable beef that will maximize consumer acceptance and enhance the place that beef enjoys in the

American diet."

Kastner added, however, "The best of production practices gives us a range of palatability variation even within the higher quality grades. In addition, the lower quality grades do not equal the palatability level of the higher quality grades. This is particularly true for steaks and roasts."

Even though a certain level of palatability is dependent upon good production practices, a number of postmortem treatments now may be used to reduce the variation in palatability, particularly in tenderness, or upgrade the lower quality grades in order to maximize the value of beef that fall into these lower quality grades, he said.

"In fact, postmortem treatments may be as effective in insuring tenderness as most production practices," Kastner said. "Tenderness has been long

accepted by most as the most important palatability characteristic in beef."

Some of the currently employed treatments to improve tenderness listed by Kastner included: grinding; cooler aging (in 16 to 25% improvement); use of enzymes (for a 10 to 40% improvement); blade tenderization (for a 20 to 35% improvement); pelvic suspension (for a five to 47% improvement); delayed chilling (for a five to 47% improvement); and flaked and formed products.

He said hot boning was a new process to improve processing economics.

Hot boning involves cutting of the beef carcasses before chilling versus conventional processing, which means chilling the carcasses before boning.

Hot boning, he said, can reduce the need for cooler space by 52%.

## Wasps are at war with weevil

Can gnat-sized European wasps save farmers millions of dollars, reduce the need for insecticides and save scarce resources?

"Yes," say USDA officials who are working to control the destructive alfalfa weevil.

"The alfalfa weevil costs farmers hundreds of millions of dollars a year by feeding on alfalfa," said Gary Moorehead of USDA's Animal and Plant Health Inspection Service. "But our state-federal biological control effort—with farmers' cooperation—can cut the damage significantly."

The weevil reduces yields and lowers the nutritional value of alfalfa. This damage is of concern to

dairy farmers, who depend heavily on alfalfa hay for their cattle, Moorehead said.

The wasps are tiny parasites that lay their eggs on or in the weevil. After hatching, the young wasps feed on the weevil, killing it.

"Farmers can help the wasps along by timing any insecticide applications so they are more likely to kill the wasps," said Moorehead.

Like many crop pests, the alfalfa weevil is a foreigner that entered without the natural enemies that keep it in check overseas. From original entry points—in Utah in the early 1900's and again near Baltimore, MD., in the '50s—it spread

throughout the U.S.

USDA insect experts located the wasp parasite in Europe, ran tests to make sure they wouldn't become pests themselves, imported them and released the bees, beginning in the 1950's.

"These wasps are not to be afraid of," Moorehead said. "They are stinging or hurt people, animals or even insects except for the alfalfa weevil."

Followup surveys in the northeastern states point the wasps could do a great deal of good for insecticides. Moorehead said and today they save farmers in the Northeast \$8 million a year.

## Nutritionist says high grain prices will increase popularity of forage

Higher grain prices today and in the future probably will cause stockmen and feeders to give more attention to making the best possible use of forages, a University of Nebraska beef nutritionist believes.

Dr. Terry Klopfenstein was one of a group of speakers who appeared on three NU-sponsored beef cattle feeders days recently.

Noting that cattle gain very efficiently on grain after being grown on forage, Klopfenstein advised feeders that "making use of compensatory gain is very important."

He said maximum forage use can be obtained by using the following system: Put cattle through cornfield grazing, harvested cornstalk feeding, grass pasture and a short grain feeding period.

"This system can be economical today, and will be more competitive with increasing grain prices," Klopfenstein maintained. The primary disadvantage is high interest rates, he added.

In a companion presentation, Dr. John K. Ward, another NU professor of animal science, reported on the results of treating wheat straw and cornstalk residues with anhydrous ammonia. These types of forages are often so low in digestibility that animal performance is severely restricted, due both to low digestibility and limited intake, Ward said.

In addition, wheat straw has been known to cause impaction when fed as the only roughage source, the Institute of Agriculture and Natural Resources researcher stated.

Ward reported that NU studies involving treatments of wheat straw with anhydrous ammonia at the rate of 60 lbs. per ton increased total ration intake by gestating cows from 26 lbs. to 30 lbs., and increased daily gain from .3 lb. to .9 lb. Similar results in improved cow performance were obtained in a Purdue University study in which cornstalks were treated with ammonia, he said.

Dennis Brink, NU beef nutritionist, spoke on the use of limestone and buffers in beef finishing rations.

Because starch is the major energy source in high grain finishing rations, the amount of productive energy a steer on feed obtains is determined by the intake and utilization of starch, Brink pointed out.

"In the typical finishing ration, approximately 20% of the starch is not digested and is found in the feces," a major challenge for the feeder, Brink reported.

He cited several factors which influence the amount of starch which is not digested:

- Roughage level—Starch digestion generally is very high on high roughage rations. It is not uncommon to see 95-98% of the starch digested when loss than 40% of the ration dry matter is grain.

- Grain processing—Historically the cattle feeder has thought that more grain (starch) passes through the animal when the grain is not processed. Recent studies indicate that there is no difference in the amount of

starch in the feces of steers fed whole shelled, cracked or fine ground corn. This agrees with performance data that indicate no difference in gain and

efficiency of cattle fed whole or cracked corn.

• Buffers—Current research on limestone buffers shows that buffers have the potential to significantly

improve the productive energy from high grain finishing rations. However, as in the past, the responses to limestone buffers are variable, Brink states.

## Lookout Limousin Ranch

### Annual Limousin Bull Sale Monday, April 13

1 p.m. at the ranch • Timber Lake, South Dakota  
**Selling 85 Lots** 40 Black Bulls  
45 Red Bulls

Champion Limousin Bull at the 1980 Western Jr. Livestock Show at Rapid City. This top, polled, young hard bull prospect sells!

Hall brother to Lookout Mountain 1131, out of one of the best females in the Lookout Limousin Herd. In our 1981 catalog—He Sells!

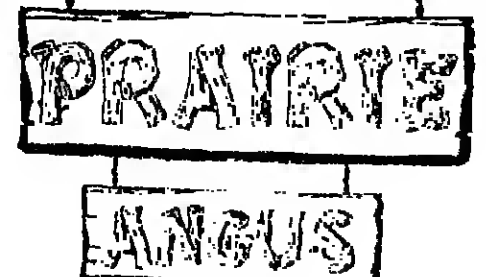
SALE MANAGEMENT BY  
KEN HOLLOWAY  
405-631-2319  
BRUCE BRIDGES  
405-631-2347  
LEWIS REEVES  
601-942-2241

ROUTE 2  
CHATTANOOGA, OK 73555  
405-335-3000

**LOOKOUT LIMOUSIN**

Pete Carmichael, owner • 605/665-3146  
Timber Lake, South Dakota 57856

## Hildebrand's



### ANNUAL PRODUCTION SALE

**April 15, 1981**

at the ranch • Lunch at Noon • Sale at 1:00 p.m.

**Selling 40 Head of Yearling Bulls**

The bulls have just come off a gain test and the bottom 20% have been culled off. No bulls have been sold off the top. At sale day the bulls should be weighing between 900 and 1000 pounds. They are large framed enough to use on cows or heifers. Birth weights will be available for use in selecting heifer bulls.



Typical bulls selling

We will deliver any purchase of \$1500 or more, up to 300 miles. Other delivery at actual cost.

Catalogs on Request

## Hildebrand's Prairie Angus

Lynn, Jan, Dickie & Howdy Hildebrand, owners  
307/532-4831

North Star Rt. • Torrington, Wyoming 82240  
Directions: 27 miles north of Torrington, Wyo. on Van Tassel Road.

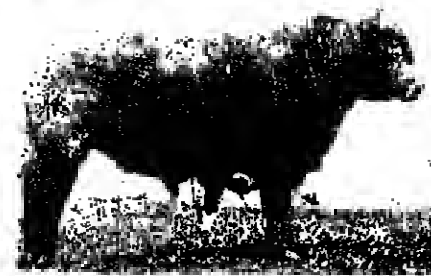
## 18th Annual WESTERN NEBRASKA PERFORMANCE TESTED BULL SALE

Friday, April 17, 1981—12:00 p.m. MST  
Ogallala Livestock Auction Co. • Ogallala, Nebraska  
**SELLING 170 BULLS**

- ANGUS
- RED ANGUS
- CHAROLAIS
- HEREFORD
- POLLED HEREFORD
- SOUTH DEVON
- AMBRED

- CHIANINA
- SHORTHORN
- SIMMENTAL
- AMERIFAX
- MAINE-ANJOU
- GELBVIEH
- LIMOUSIN

All bulls have been on 140 day feed test plus fertility tested prior to sale!



For catalogs or information, contact:  
**RLS Rishel Livestock Services**  
P.O. Box 1511  
North Platte, Nebraska 69101  
308/534-5306

Sale Day Phone 308/284-2071  
Lunch Available Sale day

Auctioneer:  
Craig Conover & Tracy Harl

Sponsored by  
NEBRASKA  
BEEF CATTLE IMPROVEMENT  
ASSOCIATION

## REUER-LIMOUSIN-RANCH

**HOWDY!**

From the Reuers  
We invite you to our  
**3rd Production Sale**  
Tuesday, April 21 • 1:30 p.m.

of the ranch  
**Selby, South Dakota**

Lunch 11:30 • Special Musical Entertainment 12:30

**Selling Approximately 50 BULLS • 25 COWS 20 HEIFERS**

top out of the 1980 halter bull crop—  
you pick the top 10 out of 20.

Seventeen years performance testing with BOBIA and fourteen years AI back Reuer Limousin weanling and yearling weights, calving ease and disposition, weaning weights, animal for fertility and breeding soundness by Dr. Lowell Sliotar, SDSU, Brook-

lin cattle. (Traits selected for include early puberty, fertility, milking ability, yearling weights and fertility scores determine which bulls sell. They are ex-  
ams, South Dakota.

Some females sell this year due to drought condition here. Most cows will have calves at side by sale day.

Sale Consultant:  
American Cattle Services  
Auctioneer: C.K. Sonny Boplin  
Sale Headquarters: Rangeland Motor Inn  
308/45-3841 • McBride, SD.

Directions to the ranch:  
From Glenham, 2 miles W. on  
South 2nd St. to 5th St. south  
From Selby, 2 miles W. on  
West 1st St. south  
From Aberdeen, 3 miles W. on 2nd St. south

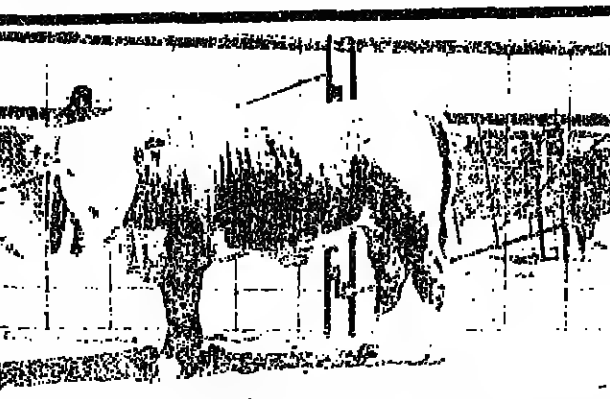
We will cooperate on delivery  
Call or write for sale catalog  
and YOU ALL COME!

**REUER-LIMOUSIN-RANCH**

Calvin & Rita Reuer  
Todd, Georgia, Dean, Tammy  
Al, Selby, S.D. 57472  
Phone: 605/782-3228



## Auction Results



**NEW HOME**—High seller at the recent ZR-Cox Production Sale in Cliff, N.M., was ZR L1 Dom L60. This high performing bull sold to the Gnskin Ranch of Rosado. ZR-Cox welcomed a large crowd of repeat customers to their fourth annual sale. (Staff photo by Lee Pitts)

## SLY HEREFORDS

Plate, S.D., March 24

25 yearling bulls ..... \$1,430  
25 older bulls ..... 1,402  
50 heifers ..... 1,418  
9 holler calves ..... 454  
8 bred heifers ..... 807  
18 lots ..... 630

## Auctioneer: Robert Schell

Bulls: Sly SH Advance 1190, 2/27/80 by OH 565 SH Advance 6; Gnb Johnson, Burke, \$3000. DH 113 ADV A218, 2/27/80 by HH Advance A113; Gordon Swanson, Briscoe, Neb., \$2500. DH 113 ADV A220, 2/13/80 by HH Advance A113; Trelle End Ranch, Avon, \$2000. SLY 5005 Dom 1256, 3/11/80 by CH Domino 5005; Robert Dehlberg, Briscoe, Neb., \$1800. SLY 5005 Dom 1193, 3/14/80 by CH Domino 5005; Jim Kirwin, Briscoe, Neb., \$1800. OH 113 ADV A210, 3/24/80 by HH Advance A113; Duri Ryno, White River, \$1700. DH 113 ADV A203, 10/4/79 by HH Advance A113; Robert Beckman, White Lake, \$1650.

Female: Sly Miss Misch 1008, 3/19/79 by DH68 Misch K53; Ke O Rehwaldt, Wagner, S.D., \$900. Sly Miss ADV 0640, 9/19/78 by G2N Advance 723; Ken Rehwaldt, \$875.

A big crowd was on hand to sort a line offering of top quality

Flash, Sharp, Mountain Ranch, Flash, 3/14/79 by OHB Misch 1008, 3/19/79 by DH68 Misch K53; Ke O Rehwaldt, Wagner, S.D., \$900. Sly Miss ADV 0640, 9/19/78 by G2N Advance 723; Ken Rehwaldt, \$875.

## HELEN'S RICH SIMMENTALS

Parker, Colo., March 30

39 bulls ..... \$1,247

Auctioneer: Joe Mitham

Top: Taj K342, 9/23/79 by Extra Stretch; Travis Martin, Fort Morgan, \$3100. Tag L537, 8/17/79 by Extra Stretch; Rocking M. Simmentals, Fort Morgan, \$3000. Tag K340, 9/23/79 by Extra Stretch; Merlin, \$2700. Tag L455, 3/3/79 by Extra Stretch; K Simmentals, Fort Morgan, \$3000. Tag K8059, 3/17/79 by Alpine Polled Prolo; Bunjes Polled Simmentals, St. Francis, Kan., \$2000. Tag L520, 5/5/79 by Polaris; Jim Berger, Krammings, \$1550.

This sale drew a small crowd of buyers although the quality was good and the reputation of the selling firm is excellent in the Simmental industry.

—JERRY YORK

## PANHANDLE BRANGUS BULL SALE

Guyton, Okla., March 28

67 bulls ..... \$1,070

Auctioneer: Earl Reyes

Sale Manager: Syler Sale Management

Top: WBH Titen 8/0, 6/18/78 by Titen; Robinson Farm, Oklahoma City, to Tullman Farms, Okla., \$1900. WSH Titen 3577, 3/22/77 by Titen; Or. Thomas Donica, Oklahoma City, to Sidwell Ranch, Shamrock, Texas, \$1750. BTR Cimeron 21/8, 3/19/79 by Mr. Meek 40/2; Broken Trowel Ranch, Agra, to Billy Logsdon, Gruver, Texas, \$1700. RW Sir Caron General, 10/5/79 by Sir Caron 007; Robinson Farm to Don Wilhite, Holly, Colo., \$1800. HC of Bar A 4/8, 2/18/79 by Bar A 22/5; Harley Sartin, McAlester, to Russ Beesler, Fletcher, \$1600. Bar A 110, 2/28/80 by Bar A 62/4; Bar A Ranch, Bokchito, to Don Wilhite, \$1400. BHB Mr

3/10/79 by Sealthor Elsa Revo 0436/H, Bill Moore, Townsend, \$1700. Blackwood Basin 88, 3/11/79 by Beal Junior 5054; Van Davis, Twin Bridges, \$1650. Black Mts, 3/19 by Sealthor Elsa Revo 0436/H, Arnie Oyko, Harrison, \$1800. Blackwood Sky 7, 2/27/80 by LeMar Ellemore Lad 549; LeMar Ellemore, Boulder, \$1550.

Cattle sold into Kansas, Oklahoma, Colorado and Texas. This was the first effort by the Indian Nation Brangus Breeders to stage a sale in the Oklahoma Panhandle area. The small crowd appreciated the quality offering but had conservatively.

The shipment of bulls across state lines has many cattlemen confined as to brucellosis requirements. This is forcing many cattlemen to buy bulls closer to home. There was good local support for this sale.

—LEE PITTS

## MORRIS ANGUS RANCH

Butte, Mont., March 31

54 bulls ..... \$1,208

Auctioneer: Bill Rahm

Top: Blackwood Bandolier 74, 2/1/80 by Band 234 of Ideal 3163; Mitch Munis, Phillipsburg, \$2750. Blackwood 32, 3/1/80 by Blackwood 345; Bill Munis, Phillipsburg, \$2500. Tall Blackwood 40, 2/5/80 by Band 234 of Ideal 3163; Larry Owyer, Whitehall, \$2100. Blackwood Sky 44, 3/8/80 by LeMar Ellemore Lad 549; Tanner Ranch, Livingston, \$1700. Blackwood Mac 83,

Butts: Leachman Touchdown, 2/27/80 by PS Power Play; NR 105, GR 118, YR 110; Conner Ranch, Lindon, Calif., \$4-int., \$20,000. Leachman Trumpler, 4/1/80 by PJM Powerpoint; NR 114, GR 118, YR 118; Rice Ranches, Harrison, \$4-int., \$7000. Leachman Explorer, 2/24/80 by PJM Powerpoint; NR 131, GR 114, YR 124; Phil Werth, Wolf Creek, \$4-int., \$8250. Leachman Signal, 3/1/80 by PJM Powerpoint; NR 103, OR 120, YR 110; Tri-Mountain Angus Ranch, Townsend, \$4-int., \$5500. Leach-

man Titen 0667, 3/5/80 by Shoshone Titen F080; NR 118, GR 115, YR 115; Robinson Ranch, Wilson, \$4000. Leachman Shoshone 0635, 6/5/80 by Schoerbrock Shoshone, Roger Jacobs, Billings, \$3500. Leachman Cannon 0803, 3/19/80 by Shoshone Cannon PSX 11A; NR 107, GR 103, YR 105; Windy Waters Ranch, Ennis, \$2750. Leachman Cannon 0654, 3/1/80 by Shoshone Cannon PSX 11A; NR 118, GR 112, YR 116; John Korbler, Custer, \$2500. Leachman Cannon 0100, 3/14/80 by Shoshone Cannon PSX 11A; NR 110, GR 103, YR 109; Schultz Bros., Shiloh, \$2500. Leachman Cannon 0666, 3/6/80 by Shoshone Cannon PSX 11A; NR 99, GR 110, YR 103; Wilson Ranches, Cody, Wyo., \$3000. Leachman Midland 0630, 4/16/80 by Midland Performer SS, NR 109, GR 102, YR 106; Nilsson, \$2250. Leachman Powerplay 0812, 2/28/80 by PS Power Play; NR 107, GR 106, YR 107; Jim & Mike Elmous, Three Forks, \$2250.

This Leachman sale was another of those rare events in the spring of 1981 that saw the average price per bull move up over one year ago. The house full of buying interest liked what they saw. They really like the very tops from the ranch production, and these good individuals set a test pace that never varied.

The rancher interest took over after the probred breeders had selected their bulls, and the sale moved at a very rapid pace being over in less than two hours.

—RALPH HEINEMANN

## LEACHMAN ANGUS RANCH

Bozeman, Mont., March 26

81 Angus bulls ..... \$1,707

Auctioneer: Pat Goggins

Top: Leachman Touchdown, 2/27/80 by PS Power Play; NR 105, GR 118, YR 110; Conner Ranch, Lindon, Calif., \$4-int., \$20,000. Leachman Trumpler, 4/1/80 by PJM Powerpoint; NR 114, GR 118, YR 118; Rice Ranches, Harrison, \$4-int., \$7000. Leachman Explorer, 2/24/80 by PJM Powerpoint; NR 131, GR 114, YR 124; Phil Werth, Wolf Creek, \$4-int., \$8250. Leachman Signal, 3/1/80 by PJM Powerpoint; NR 103, OR 120, YR 110; Tri-Mountain Angus Ranch, Townsend, \$4-int., \$5500. Leach-

man Titen 0667, 3/5/80 by Shoshone Titen F080; NR 118, GR 115, YR 115; Robinson Ranch, Wilson, \$4000. Leachman Shoshone 0635, 6/5/80 by Schoerbrock Shoshone, Roger Jacobs, Billings, \$3500. Leachman Cannon 0803, 3/19/80 by Shoshone Cannon PSX 11A; NR 107, GR 103, YR 105; Windy Waters Ranch, Ennis, \$2750. Leachman Cannon 0654, 3/1/80 by Shoshone Cannon PSX 11A; NR 118, GR 112, YR 116; John Korbler, Custer, \$2500. Leachman Cannon 0100, 3/14/80 by Shoshone Cannon PSX 11A; NR 110, GR 103, YR 109; Schultz Bros., Shiloh, \$2500. Leachman Cannon 0666, 3/6/80 by Shoshone Cannon PSX 11A; NR 99, GR 110, YR 103; Wilson Ranches, Cody, Wyo., \$3000. Leachman Midland 0630, 4/16/80 by Midland Performer SS, NR 109, GR 102, YR 106; Nilsson, \$2250. Leachman Powerplay 0812, 2/28/80 by PS Power Play; NR 107, GR 106, YR 107; Jim & Mike Elmous, Three Forks, \$2250.

This Leachman sale was another of those rare events in the spring of 1981 that saw the average price per bull move up over one year ago. The house full of buying interest liked what they saw. They really like the very tops from the ranch production, and these good individuals set a test pace that never varied.

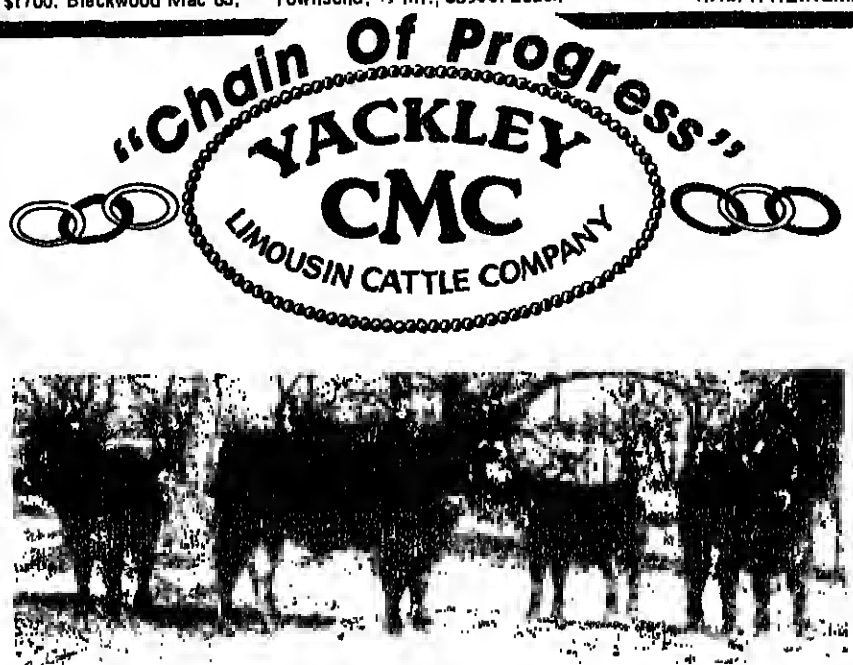
The rancher interest took over after the probred breeders had selected their bulls, and the sale moved at a very rapid pace being over in less than two hours.

—RALPH HEINEMANN

## "Chain Of Progress"

YACKLEY CMC

LIMOUSIN CATTLE COMPANY



## Limousin Sale

Tues., April 28: "Chain Of Progress" Range Bull Sale  
50-2 yr. old Range Bulls  
80-Yearling Range Bulls  
15-Select Commercial Limousin Heifers

Wed., April 29: "Chain Of Progress" Purebred Limousin Sale  
14-2 yr. Old Purebred Bulls (8 full-blooded, 6 American purebreds)  
1-Black American Purebred "Yukan Jack"  
18-Yearling Purebred Bulls  
15-Fancy Spring Registered American Purebred Heifers...many show heifer prospects!

Sale To Be Held 4 Miles East Of Onida, 35 Miles Northeast Of Pierre  
Onida, South Dakota  
Sale Begins:  
1:00 P.M. (CDT)

Sale Management By:

Ken Holloway 405/597-2419

Bruce Brooks 405/653-2457

Rt. 1, Chatham, Ok. 73528 405/335-3006

Complete Catalog On Request:

YACKLEY CMC

LIMOUSIN CATTLE COMPANY

Bob & Elaine Yackley and Sons Onida, South Dakota 57584 605/258-2183 or 605/258-2762 Mobile number 605/973-8651

John Spivey & Family McDonough, Georgia 404/857-2881

## Market Roundup:

## 'Positive market air' recuperates prices

WHILE NEGATIVE FUNDAMENTALS keep the lid on cash lung prices, the cattle market is enjoying positive air. Trading was thin and prices are expected to bounce back and level off at \$95-98 per cwt. The major reason dressed beef prices are expected to rebound, analysts say, is because most packers own live cattle inventory at higher prices in relation to last weeks lower dressed beef prices (choice steers sold at \$122.60-63 per cwt.). Consequently, packers must support dressed beef prices in order to profit when slaughtering the higher price cattle.

Also expected to support beef prices at the \$95-98 level is the fact that boxed beef prices have bottomed out, and many boxed items, especially chucks, are down to the lowest level of the year.

The supplies of fed cattle are beginning to lessen throughout the Plains and Corn Belt states and numbers of market-ready cattle will continue to decrease through April. These tighter supplies will also support dressed beef prices at the \$95 per cwt. level, as cattle feeders become more stubborn in bargaining with packers.

Fed cattle prices could reach \$63.50 per cwt. in the Panhandle and \$100-101 per cwt. in Nebraska by weeks end.

**ARIZONA SLAUGHTER STEERS** good and choice 2-3 950-1050 lbs. \$62.50-63; good and choice 2-3 950-1100 lbs. \$62-63; 1000-1150 lbs. \$60-61.75; mostly good 3 1000-1150 lbs. \$61-62; 1200-1250 lbs. \$59-60; Holsteins \$68-69.25. Colorado slaughter steers mostly choice 2-4 1000-1200 lbs. \$60-62; 1200-1275 lbs. \$60-61.25. Heifers choice 2-4 950-1100 lbs. \$60.50-61.50. California slaughter steers choice 2-4 1025-1150 lbs. \$63-64.50; 1200-1300 lbs. \$61-62.50; good and choice 2-1 950-1125 lbs. \$63-65; 1075-1200 lbs. \$62-63.50; Holsteins 1000-1150 lbs. \$60-61; good 2-3 950-1150 lbs. \$59-63.50. Heifers choice 2-4 950-1100 lbs. \$59-62.50; heiferettes choice \$85; good \$90. Calves good and choice 475-485 lbs. \$70. Feeder cattle ind. frame #1 450-475 lbs. steers \$75-78; 750-800 lbs. \$66. Heifers md. frame #1 400-450 lbs. \$64-66; 600-680 lbs. \$59.50-64.50.

**SOUTHERN CALIFORNIA SLAUGHTER** steers mostly choice 2-4 1025-1035 lbs. \$62.50-63; good and choice 2-4 950-1050 lbs. \$63-64.50; good 3-4 1075-1200 lbs. \$63-63.50; good 2-3 950-1150 lbs. \$59-63.50; Holsteins \$60-61. Heifers mostly choice 2-4 950-1100 lbs. \$61. Calves mixed good and choice 475-485 lbs. \$70. Western Kones slaughter steers choice 2-4 1025-1225 lbs. \$59.50-62.50; 1050-1300 lbs. \$60-63; good and choice 1300 lbs. \$59; Holsteins \$64.50-68. Heifers choice 2-4 950-1050 lbs. \$59-61.50; choice with end good 925-1050 lbs. \$58-61. Heifers and heiferettes, mixed commercial and choice 950-1125 lbs. \$54.50-67.25. New Mexican slaughter steers mostly choice 1000-1185 lbs. \$64.50-60. Heifers mostly choice 900-1050 lbs. YG 2-3 \$59.60-60; mostly good 650-750 lbs. \$58-59; good mid choice 1100 lbs. heiferettes \$57.50.

Idaho slaughter steers good to mostly choice 2-3 1100 lbs. \$61.75; 1050-1175 lbs. \$61-62. Heifers good to mostly choice 2-3 950-1000 lbs. \$59; 90-1025 lbs. \$59-60. Feeder steers md. and lg. frame #1 950-775 lbs. \$65; 875 lbs. \$63.75. Montana slaughter steers mostly choice 2-4 1150-1300 lbs. \$60-61.50. Heifers choice 2-4 1000-1100 lbs. \$58-59. Feeder steers md. frame #1 500-600 lbs. \$70-73; 650-750 lbs. \$66-68; 600-800 lbs. \$64-68.50. Heifers md. frame #1 500-700 lbs. \$59-60. Utah slaughter steers good to mostly choice 2-3 1125-1200 lbs. \$60-61.50; YG 3-4 1250 lbs. \$69; mixed good and choice 1050 lbs. \$58.60-59; Holsteins \$57.50. Heifers good to mostly choice 2-3 950-1000 lbs. \$59-59.50. Feeder steers md. frame #1 425-525 lbs. \$73-75. Heifers md. frame #1 425-525 lbs. \$63-65; 700-850 lbs. \$57-59.75.

**TEXAS PANHANDLE AND WESTERN** Oklahoma slaughter steers good and mostly choice 2-3 1025-1200 lbs. \$59.25-62.50; 2-4 1200-1275 lbs. \$61-61.50; mixed good and choice 2-3 1025-1150 lbs. \$58.60-81.50; Holsteins \$58.50-80. Heifers good and mostly choice 2-3 875-1000 lbs. \$57.25-60.50; mixed good and choice 2-3 875-1000 lbs. \$58-58.50; mixed good and choice 2-3 750-850 lbs. \$58.75-59; good and choice 2-4 975-1100 lbs. heiferettes \$55-57. Sen Joaquin, Sacramento slaughter steers mixed good and choice 2-3 1050-1100 lbs. \$63-63.50. Heifers choice 2-4 950-1000 lbs. \$61; 1050-1075 lbs. \$59-60. Feeder steers 750-800 lbs. \$66.

Washington, Oregon slaughter steers good to mostly choice 2-3 1050-1100 lbs. \$63-64; mostly choice 2-3 1150-1250 lbs. \$61-81.50; Holsteins \$98. Heifers mostly choice 2-3 900-1000 lbs. \$60-62; mostly choice 2-3 1000-1025 lbs. \$59. Feeder steers md. and lg. frame #1 825 lbs. \$66; 750-775 lbs. \$67. Heifers lg. frame 700-725 lbs. \$64.50. Wyoming, Western Nebraska slaughter steers choice 2-3 1050-1150 lbs. \$60-61; 1250 lbs. \$59. Heifers choice 2-3 1050 lbs. \$60; 1000-1125 lbs. \$58-59.

**SLAUGHTER LAMBS CHOICE** and prime 115-120 lbs. shorn with #3 pelts \$55-57; choice and prime 85-105 lbs. spring \$63-65. Ewes good \$30-33; utility \$26-30; cull and few utility \$22-26. Feeder lambs choice and fancy 65-90 lbs. spring \$60-65.50; choice and prime 65-80 lbs. \$58-62.50; 80-100 lbs. \$55-58. Feeder pigs US 1-2 20-30 lbs. \$26-35; 30-40 lbs. \$33-42.50; 40-50 lbs. \$41-46; 50-60 lbs. \$44.50-50; 60-70 lbs. \$48-56; 70-80 lbs. \$63-65.

ALEX MOSTROUS

## CENTRAL AUCTION ROUNDUP

[Report as quoted by markets]

## AMARILLO LIVESTOCK AUCTION

Amarillo, Texas, March 30

8,050 head received; Feeder steers, md. frame 1 200-300 lbs. \$94-101; 300-400 lbs. \$81-82; 400-500 lbs. \$69-71; 500-600 lbs. \$66-69.50; 600-700 lbs. \$62-64.50; 700-800 lbs. \$59-60.50; 800-900 lbs. \$54-56.50; 900-1000 lbs. \$50-52.50; 1000-1100 lbs. \$48-50.50; 1100-1200 lbs. \$46-48.50; 1200-1300 lbs. \$44-46.50; 1300-1400 lbs. \$42-44.50; 1400-1500 lbs. \$40-42.50; 1500-1600 lbs. \$38-40.50; 1600-1700 lbs. \$36-38.50; 1700-1800 lbs. \$34-36.50; 1800-1900 lbs. \$32-34.50; 1900-2000 lbs. \$30-32.50; 2000-2100 lbs. \$28-30.50; 2100-2200 lbs. \$26-28.50; 2200-2300 lbs. \$24-26.50; 2300-2400 lbs. \$22-24.50; 2400-2500 lbs. \$20-22.50; 2500-2600 lbs. \$18-20.50; 2600-2700 lbs. \$16-18.50; 2700-2800 lbs. \$14-16.50; 2800-2900 lbs. \$12-14.50; 2900-3000 lbs. \$10-12.50; 3000-3100 lbs. \$8-10.50; 3100-3200 lbs. \$6-8.50; 3200-3300 lbs. \$4-6.50; 3300-3400 lbs. \$2-4.50; 3400-3500 lbs. \$0-2.50; 3500-3600 lbs. \$0-2.50; 3600-3700 lbs. \$0-2.50; 3700-3800 lbs. \$0-2.50; 3800-3900 lbs. \$0-2.50; 3900-4000 lbs. \$0-2.50; 4000-4100 lbs. \$0-2.50; 4100-4200 lbs. \$0-2.50; 4200-4300 lbs. \$0-2.50; 4300-4400 lbs. \$0-2.50; 4400-4500 lbs. \$0-2.50; 4500-4600 lbs. \$0-2.50; 4600-4700 lbs. \$0-2.50; 4700-4800 lbs. \$0-2.50; 4800-4900 lbs. \$0-2.50; 4900-5000 lbs. \$0-2.50; 5000-5100 lbs. \$0-2.50; 5100-5200 lbs. \$0-2.50; 5200-5300 lbs. \$0-2.50; 5300-5400 lbs. \$0-2.50; 5400-5500 lbs. \$0-2.50; 5500-5600 lbs. \$0-2.50; 5600-5700 lbs. \$0-2.50; 5700-5800 lbs. \$0-2.50; 5800-5900 lbs. \$0-2.50; 5900-6000 lbs. \$0-2.50; 6000-6100 lbs. \$0-2.50; 6100-6200 lbs. \$0-2.50; 6200-6300 lbs. \$0-2.50; 6300-6400 lbs. \$0-2.50; 6400-6500 lbs. \$0-2.50; 6500-6600 lbs. \$0-2.50; 6600-6700 lbs. \$0-2.50; 6700-6800 lbs. \$0-2.50; 6800-6900 lbs. \$0-2.50; 6900-7000 lbs. \$0-2.50; 7000-7100 lbs. \$0-2.50; 7100-7200 lbs. \$0-2.50; 7200-7300 lbs. \$0-2.50; 7300-7400 lbs. \$0-2.50; 7400-7500 lbs. \$0-2.50; 7500-7600 lbs. \$0-2.50; 7600-7700 lbs. \$0-2.50; 7700-7800 lbs. \$0-2.50; 7800-7900 lbs. \$0-2.50; 7900-8000 lbs. \$0-2.50; 8000-8100 lbs. \$0-2.50; 8100-8200 lbs. \$0-2.50; 8200-8300 lbs. \$0-2.50; 8300-8400 lbs. \$0-2.50; 8400-8500 lbs. \$0-2.50; 8500-8600 lbs. \$0-2.50; 8600-8700 lbs. \$0-2.50; 8700-8800 lbs. \$0-2.50; 8800-8900 lbs. \$0-2.50; 8900-9000 lbs. \$0-2.50; 9000-9100 lbs. \$0-2.50; 9100-9200 lbs. \$0-2.50; 9200-9300 lbs. \$0-2.50; 9300-9400 lbs. \$0-2.50; 9400-9500 lbs. \$0-2.50; 9500-9600 lbs. \$0-2.50; 9600-9700 lbs. \$0-2.50; 9700-9800 lbs. \$0-2.50; 9800-9900 lbs. \$0-2.50; 9900-10000 lbs. \$0-2.50; 10000-10100 lbs. \$0-2.50; 10100-10200 lbs. \$0-2.50; 10200-10300 lbs. \$0-2.50; 10300-10400 lbs. \$0-2.50; 10400-10500 lbs. \$0-2.50; 10500-10600 lbs. \$0-2.50; 10600-10700 lbs. \$0-2.50; 10700-10800 lbs. \$0-2.50; 10800-10900 lbs. \$0-2.50; 10900-11000 lbs. \$0-2.50; 11000-11100 lbs. \$0-2.50; 11100-11200 lbs. \$0-2.50; 11200-11300 lbs. \$0-2.50; 11300-11400 lbs. \$0-2.50; 11400-11500 lbs. \$0-2.50; 11500-11600 lbs. \$0-2.50; 11600-11700 lbs. \$0-2.50; 11700-11800 lbs. \$0-2.50; 11800-11900 lbs. \$0-2.50; 11900-12000 lbs. \$0-2.50; 12000-12100 lbs. \$0-2.50; 12100-12200 lbs. \$0-2.50; 12200-12300 lbs. \$0-2.50; 12300-12400 lbs. \$0-2.50; 12400-12500 lbs. \$0-2.50; 12500-12600 lbs. \$0-2.50; 12600-12700 lbs. \$0-2.50; 12700-12800 lbs. \$0-2.50; 12800-12900 lbs. \$0-2.50; 12900-13000 lbs. \$0-2.50; 13000-13100 lbs. \$0-2.50; 13100-13200 lbs. \$0-2.50; 13200-13300 lbs. \$0-2.50; 13300-13400 lbs. \$0-2.50; 13400-13500 lbs. \$0-2.50; 13500-13600 lbs. \$0-2.50; 13600-13700 lbs. \$0-2.50; 13700-13800 lbs. \$0-2.50; 13800-13900 lbs. \$0-2.50; 13900-14000 lbs. \$0-2.50; 14000-14100 lbs. \$0-2.50; 14100-14200 lbs. \$0-2.50; 14200-14300 lbs. \$0-2.50; 14300-14400 lbs. \$0-2.50; 14400-14500 lbs. \$0-2.50; 14500-14600 lbs. \$0-2.50; 14600-14700 lbs. \$0-2.50; 14700-14800 lbs. \$0-2.50; 14800-14900 lbs. \$0-2.50; 14900-15000 lbs. \$0-2.50; 15000-15100 lbs. \$0-2.50; 15100-1520







## Animal rights

**MACHINERY  
AND SUPPLIES** 20

**WANT PASTURE** with 1  
managomoni for 25 to 50 cows  
California preferred but we  
consider other areas. P.O. Box  
131, Livermore, CA 94550  
415/443-1552, evenings.

**HELP ME**  
Find my dream ranch. Looking  
for a location for my dream  
operation and registered Brand

**IZONA**  
**OW RANCH**  
eslands. Approximately 44,000 acres  
68 acres deeded. Attractive head-  
vements. 8 miles to town. Telephone  
Includes livestock and equipment.

**FARM/RANCH**

**LOW RANCH**  
Best allotment with 62 choice deeded  
ative home and ranch facilities, large  
r will carry. Excellent terms.

**PLAINS**  
Farms and Ranches

1,748 Acres Improved deer land with modern large b home, barns, corrals, tennis house, Acreage includes plus acre choice irrigable r bottom, located on 270 H way. Additional 1,500 acre lease improved pasture a

chinery and equipment available. Excellent horses purebred cattle locally \$560,000, assumable loan to 8.5%. Total operation be assumed with low c down.

**HALL LAND CO., INC.**  
**JOE HALL, BROKER**  
Stuett, OK 74540  
*Call day or night*

**916/546-2231**

***Hard to get go  
help these day***

Not if you advertise in Classified Corral's "Help Wanted" section.

## OAKOTA'S FINEST" HALF OPERATION

machine shed is spacious enough  
to mention the beautiful office loca-  
tion, with portable metal gates in abundance.  
with southern front. 10,000 bushel  
grain dug-outs, 540' well and rural w  
and cattle producer and spared no exp  
finest in the upper midwest. An addition  
is priced at \$900,000. Owner will see  
financing considered.

Contact:

**14 RANCHES or PASTURE WANTED**

"Must" carry 10,000 head  
Send "lull" petriculors  
SHEEP RANCH 1,000  
head. Lease, buy or option  
Villa Realty, Inc., Est. 194  
Belcher, Broker, Los Dal  
95031. 406/354-4900. --

## Animal rights

(Continued from page 1)

"Modern agriculture are so great that we can't afford to give the animal what it needs."

Skinner conceded that animals in the wild need

...om to escape predators,  
...ind food and find a mate,  
...ut domesticated animals  
...ave these things provided  
...or them. Skinner said,  
"One of the best indicators  
...f animal well-being that  
...we've had in the past in both  
...ild and confined situations  
...s the reproductive rate."

He noted the high reproductive rate of farm animals and said, "We have to remind people that you don't force production. It is an animal's response to the conditions we provide for it. Skinner also noted that on the large scale, streamlined

Representing the government viewpoint on the panel was Dr. Harry Muasman, administrator of the Animal

**TRUCKS and AUTOS** 25

**Peja Ree Recks. New engines.**  
**Top condition throughout. 415/**  
**376-5061.**

---

**TRAILERS 25A**

**TRACER TRAILERS**  
 Bumper-pull/Goosenecks. Quality constructed. Livestock, horse, flatbeds. Standard or custom. VIC-NAN FARMS, Osaier.

**"ALUMINUM GOOSENECKS"**  
 Trailers  
 14 to 24 foot long built by  
**BARRETT: CORWIN'S TRAILERS**  
 15141 So. 99 @ Lathrop Rd.  
 Menloce, CA 95338  
**PHONE: 208/238-9531**

**79 CUSTOM BUILT 18 ft. Goose-neck trailers, B ft. over hang by Tyler Trailer of Mesa, Arizona. Electric brake and other extras. \$3,500. Call: 209/847-3413 or 200/847-7S84, evenings.**

---

**FOR SALE: '76 Peterbilt Con., new sleeper, new rediel tires and wheels. 205 W.B. '79 Merritt trailer, waskipack 45' livestock with sheep decks. Sell separately or together. Phone: 503/789-0909. 24 hours. OR.87285.**

**\* CIRCLE J HORSE  
AND BTOCK TRAILERS**  
16 Ft. stock heavy duty axles, 4  
wheel brakes for only \$3,434. We  
take almost anything in on trade.  
Umpqua V.W. Circle J Trailers  
603/872-1647, 404 S.E. Stephens  
Rosedburg, OR 97470.

---

**MISCELLANEOUS** 29

**THREE** 20x80 Harvestore's for sale. \$20,000 each. Located near Waco, Texas. Call: 817/335-4281 or 824-7523.

**MOUNTAIN BUNKHOUSE**, turnishad or summer rent. \$200/week. Riding, fishing. Box 88 Severy, WY 82332.

**GRAIN ELEVATOR:** northwest Nebraska, 713,000 storage. Chicago Northwestern Railroad

**Los Angeles Times Classified  
SPRING OPPORTUNITIES EDITION**  
Coming Sunday, April 28  
More as real More profitable More  
autal Reach nearly 1.3 million  
Southern California families  
one of the top classified editions  
of the year. (Order copies for \$1.50)

each.)  
Write Spring Opportunities Editor  
Times Classified Ads/Times Mirror  
Square/Los Angeles, Calif. 90051  
Phone: (213) 829-4411/From outside  
Calif., call toll free (800) 421-8803.

(Continued from page 1)

modern agriculture are so great that we can't afford to not give the animal what it

welfare only when it involves animals in zoos, exhibitions or laboratory experiments.

It is not unlikely

Skinner conceded that animals in the wild need room to escape predators, find food and find a mate, but domesticated animals have these things provided for them. Skinner said, "One of the best indicators of animal well-being that we've had in the past in both wild and confined situations however that with the kind of interest being demonstrated about farm animals that we could be faced within the next few years with amendments to our animal welfare legislation which would require us to do something of a similar nature for domestic livestock," said Mussman.

Nan Black, president of

He noted the high reproductive rate of farm animals and said, "We have to convince people that you don't force production. It is an animal's response to the conditions we provide for it."

Skinner also noted that the larger scale, streamlined farm operations animal rights advocates scorn came

wanted because the product would be an expensive food of uniform quality in ample supply.

Representing the government viewpoint on the panel was Dr. Harry Musmann, administrator of the Animal and Plant Health Inspection Service in the USDA. A representative of APHIS has authority in the area of animal

<b>TRUCKS AND AUTOS</b>	<b>25</b>
<p><b>CATTLE TRUCKS</b> and trailers. 1974-1975. Wilson Ricks, 1873 Pate Roe Rcks, New Orleans. Top condition throughout. \$15/378-9061.</p>	
<b>TRAILERS</b>	<b>25A</b>
<p><b>TRACER TRAILERS</b></p>	

**"ALUMINUM GOOSENECKS"**  
Trailers  
14 to 24 feet long built by  
**BARRETT CORWIN'S TRAILERS**  
151 So. 92<sup>nd</sup> @ Lithport Rd.  
Mentone, CA 93336  
**PHONE: 209/293-9531**

**79 CUSTOM BUILT 18 ft. Goose-neck trailers, B. 11, over hang by Tyler Trailer of Mesa, Arizona. Electric brake and other extras. \$3,500. Call: 293/847-3413 or 200/847-7584, evenings.**

**FOR SALE: '76 Peterbilt Con., new sleeper, new radial tires and wheels. 205 W.B. '79 Merritt trailer, used tank, 1978 Chevrolet with sheep docks. Sell separately or together. Phone: 503/768-2001. Sublimity, OR 97385.**

**CIRCLE 10**

**CIRCLE 11**

**CIRCLE 12**

**CIRCLE 13**

**CIRCLE 14**

**CIRCLE 15**

**CIRCLE 16**

**CIRCLE 17**

**CIRCLE 18**

**CIRCLE 19**

**CIRCLE 20**

**CIRCLE 21**

**CIRCLE 22**

**CIRCLE 23**

**CIRCLE 24**

**CIRCLE 25**

**CIRCLE 26**

**CIRCLE 27**

**CIRCLE 28**

**CIRCLE 29**

**CIRCLE 30**

**CIRCLE 31**

**CIRCLE 32**

**CIRCLE 33**

**CIRCLE 34**

**CIRCLE 35**

**CIRCLE 36**

**CIRCLE 37**

**CIRCLE 38**

**CIRCLE 39**

**CIRCLE 40**

**CIRCLE 41**

**CIRCLE 42**

**CIRCLE 43**

**CIRCLE 44**

**CIRCLE 45**

**CIRCLE 46**

**CIRCLE 47**

**CIRCLE 48**

**CIRCLE 49**

**CIRCLE 50**

**CIRCLE 51**

**CIRCLE 52**

**CIRCLE 53**

**CIRCLE 54**

**CIRCLE 55**

**CIRCLE 56**

**CIRCLE 57**

**CIRCLE 58**

**CIRCLE 59**

**CIRCLE 60**

**CIRCLE 61**

**CIRCLE 62**

**CIRCLE 63**

**CIRCLE 64**

**CIRCLE 65**

**CIRCLE 66**

**CIRCLE 67**

**CIRCLE 68**

**CIRCLE 69**

**CIRCLE 70**

**CIRCLE 71**

**CIRCLE 72**

**CIRCLE 73**

**CIRCLE 74**

**CIRCLE 75**

**CIRCLE 76**

**CIRCLE 77**

**CIRCLE 78**

**CIRCLE 79**

**CIRCLE 80**

**CIRCLE 81**

**CIRCLE 82**

**CIRCLE 83**

**CIRCLE 84**

**CIRCLE 85**

**CIRCLE 86**

**CIRCLE 87**

**CIRCLE 88**

**CIRCLE 89**

**CIRCLE 90**

**CIRCLE 91**

**CIRCLE 92**

**CIRCLE 93**

**CIRCLE 94**

**CIRCLE 95**

**CIRCLE 96**

**CIRCLE 97**

**CIRCLE 98**

**CIRCLE 99**

**CIRCLE 100**

**CIRCLE 101**

**CIRCLE 102**

**CIRCLE 103**

**CIRCLE 104**

**CIRCLE 105**

**CIRCLE 106**

**CIRCLE 107**

**CIRCLE 108**

**CIRCLE 109**

**CIRCLE 110**

**CIRCLE 111**

**CIRCLE 112**

**CIRCLE 113**

**CIRCLE 114**

**CIRCLE 115**

**CIRCLE 116**

**CIRCLE 117**

**CIRCLE 118**

**CIRCLE 119**

**CIRCLE 120**

**CIRCLE 121**

**CIRCLE 122**

**CIRCLE 123**

**CIRCLE 124**

**CIRCLE 125**

**CIRCLE 126**

**CIRCLE 127**

**CIRCLE 128**

**CIRCLE 129**

**CIRCLE 130**

**CIRCLE 131**

**CIRCLE 132**

**CIRCLE 133**

**CIRCLE 134**

**CIRCLE 135**

**CIRCLE 136**

**CIRCLE 137**

**CIRCLE 138**

**CIRCLE 139**

**CIRCLE 140**

**CIRCLE 141**

**CIRCLE 142**

**CIRCLE 143**

**CIRCLE 144**

**CIRCLE 145**

**CIRCLE 146**

**CIRCLE 147**

**CIRCLE 148**

**CIRCLE 149**

**CIRCLE 150**

**CIRCLE 151**

**CIRCLE 152**

**CIRCLE 153**

**CIRCLE 154**

**CIRCLE 155**

**CIRCLE 156**

**CIRCLE 157**

**CIRCLE 158**

**CIRCLE 159**

**CIRCLE 160**

**CIRCLE 161**

**CIRCLE 162**

**CIRCLE 163**

**CIRCLE 164**

**CIRCLE 165**

**CIRCLE 166**

**CIRCLE 167**

**CIRCLE 168**

**CIRCLE 169**

**CIRCLE 170**

**CIRCLE 171**

**CIRCLE 172**

**CIRCLE 173**

**CIRCLE 174**

**CIRCLE 175**

**CIRCLE 176**

**CIRCLE 177**

**CIRCLE 178**

**CIRCLE 179**

**CIRCLE 180**

**CIRCLE 181**

**CIRCLE 182**

**CIRCLE 183**

**CIRCLE 184**

**CIRCLE 185**

**CIRCLE 186**

**CIRCLE 187**

**CIRCLE 188**

**CIRCLE 189**

**CIRCLE 190**

**CIRCLE 191**

**CIRCLE 192**

**CIRCLE 193**

**CIRCLE 194**

**CIRCLE 195**

**CIRCLE 196**

**CIRCLE 197**

**CIRCLE 198**

**CIRCLE 199**

**CIRCLE 200**

**CIRCLE 201**

**CIRCLE 202**

**CIRCLE 203**

**CIRCLE 204**

**CIRCLE 205**

**CIRCLE 206**

**CIRCLE 207**

**CIRCLE 208**

**CIRCLE 209**

**CIRCLE 210**

**CIRCLE 211**

**CIRCLE 212**

**CIRCLE 213**

**CIRCLE 214**

**CIRCLE 215**

**CIRCLE 216**

**CIRCLE 217**

**CIRCLE 218**

**CIRCLE 219**

**CIRCLE 220**

**CIRCLE 221**

**CIRCLE 222**

**CIRCLE 223**

**CIRCLE 224**

**CIRCLE 225**

**CIRCLE 226**

**CIRCLE 227**

**CIRCLE 228**

**CIRCLE 229**

**CIRCLE 230**

**CIRCLE 231**

**CIRCLE 232**

**CIRCLE 233**

**CIRCLE 234**

**CIRCLE 235**

**CIRCLE 236**

**CIRCLE 237**

**CIRCLE 238**

**CIRCLE 239**

**CIRCLE 240**

**CIRCLE 241**

**CIRCLE 242**

**CIRCLE 243**

**CIRCLE 244**

**CIRCLE 245**

**CIRCLE 246**

**CIRCLE 247**

**CIRCLE 248**

**CIRCLE 249**

**CIRCLE 250**

**CIRCLE 251**

**CIRCLE 252**

**CIRCLE 253**

**CIRCLE 254**

**CIRCLE 255**

**CIRCLE 256**

**CIRCLE 257**

**CIRCLE 258**

**CIRCLE 259**

**CIRCLE 260**

**CIRCLE 261**

**CIRCLE 262**

**CIRCLE 263**

**CIRCLE 264**

**CIRCLE 265**

**CIRCLE 266**

**CIRCLE 267**

**CIRCLE 268**

**CIRCLE 269**

**CIRCLE 270**

**CIRCLE 271**

**CIRCLE 272**

**CIRCLE 273**

**CIRCLE 274**

**CIRCLE 275**

**CIRCLE 276**

**CIRCLE 277**

**CIRCLE 278**

**CIRCLE 279**

**CIRCLE 280**

**CIRCLE 281**

**CIRCLE 282**

**CIRCLE 283**

**CIRCLE 284**

**CIRCLE 285**

**CIRCLE 286**

**CIRCLE 287**

**CIRCLE 288**

**CIRCLE 289**

**CIRCLE 290**

**CIRCLE 291**

**CIRCLE 292**

**CIRCLE 293**

**CIRCLE 294**

**CIRCLE 295**

**CIRCLE 296**</

16 FL. stock heavy duty axle, 4 wheel brake for only \$3.454. Also 4 wheel axle for 1974-1975 on truck. Umpqua V-16, W. Circle J Trailers, 603/872-1647, 4045 E. Stephens, Roseburg, OR 97470.

---

**MISCELLANEOUS** **29**

THREE 20x80 Harvestores for sale \$20,000 each. Located near Weco, Teas. Call: 617/336-4261 or 624-7523

**GRAIN ELKS-3232:** northwest Nebraska, 71300 storage, Chicago Northwestern Railroad. Possible unit train loading. Call: Bob Kneeg, Town and Country Sales, Lawrence, NE 68601. 308-782-4540.

**White Spring Opportunities Edition/**  
**Times Classified Ads/Times Mirror**  
**Suareles Los Angeles, Calif. 90083**  
**Phone (213) 823-4411/From outside**  
**Calif. call toll free (800) 421-8803.**

*Do it with class*